SPECTRUM® Math

GRADE 2

Focused Practice for Math Mastery

- Adding and subtracting two- and three-digit numbers
- Writing numbers in expanded form
- Components of 3-D shapes
- Fractions
- Metric and customary measurement
- Answer key

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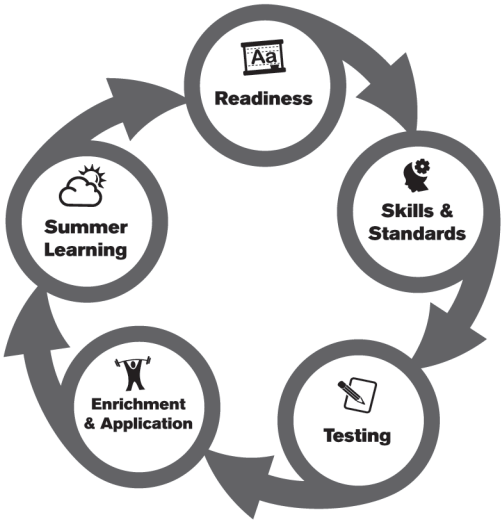

SPECTRUM®

Math

Grade 2

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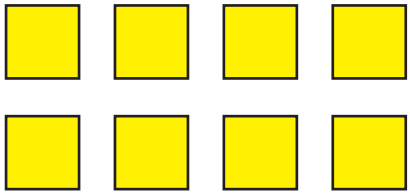
NAME _____

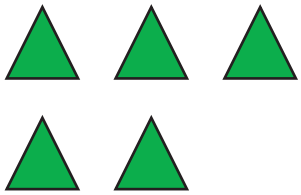
Check What You Know

Understanding and Using Numbers

Write odd or even.

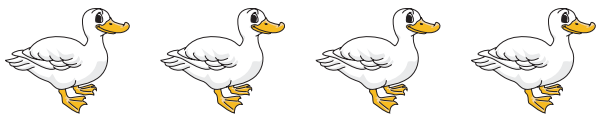


_____



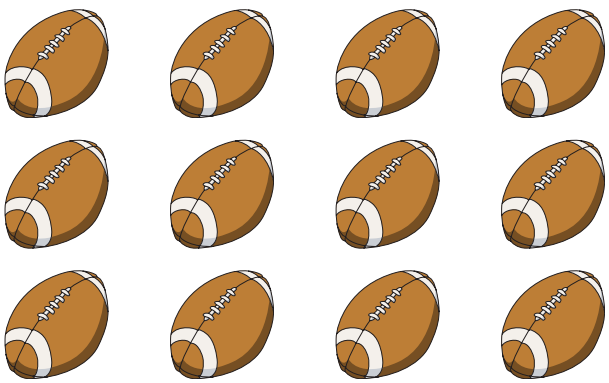
_____

_____

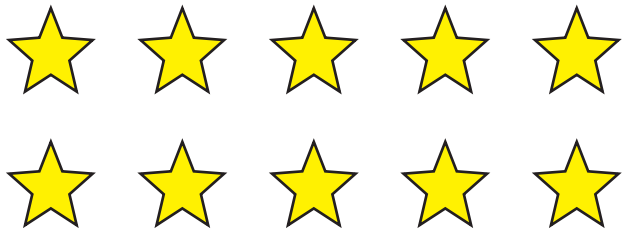


_____

Write an equation to match the array.



_____ + _____ + _____ = _____



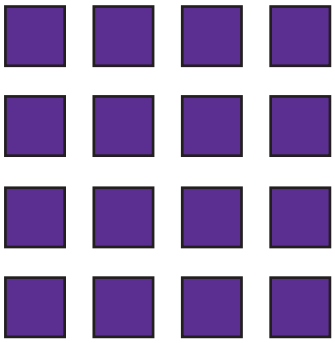
_____ + _____ = _____

NAME _____

Check What You Know

Understanding and Using Numbers

Write an equation to match the array.



____ + ____ + ____ + ____ = ____

_____ + _____ + _____ = _____

Count by 10.

10, _____ , _____ , 40, _____ , _____

Count by 5.

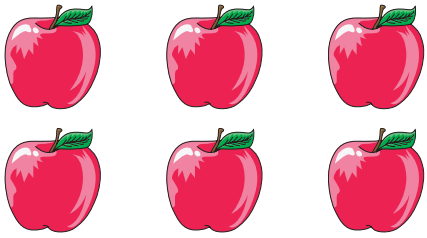
5, _____ , 15, _____ , _____ , _____

Count by 2. Write the missing numbers.

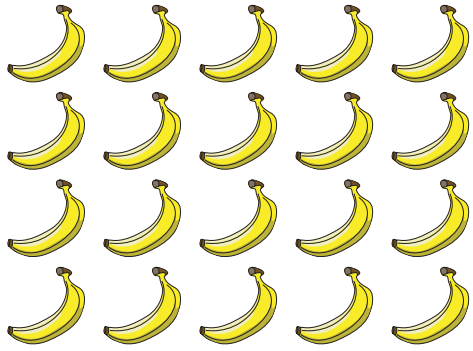
20, 22, _____ , _____ , 28, _____ , _____ , _____ , 36

Lesson 1.1 Grouping Objects

Write an equation to match each array.



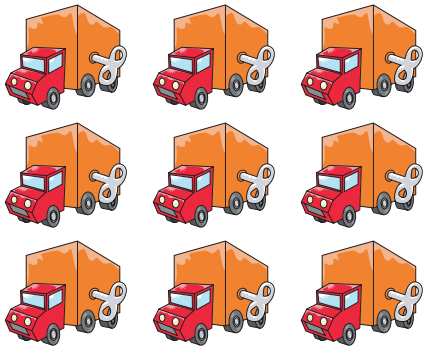
3 + 3 = 6



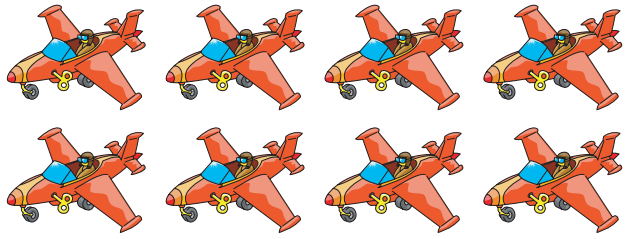
5 + 5 + 5 + 5 = 20

___ + ___ + ___ = ___

___ + ___ + ___ + ___ + ___ = ___



___ + ___ + ___ = ___



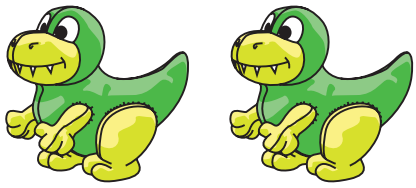
___ + ___ = ___

Lesson 1.1 Grouping Objects

Write an equation to match each array.

___ + ___ = ___

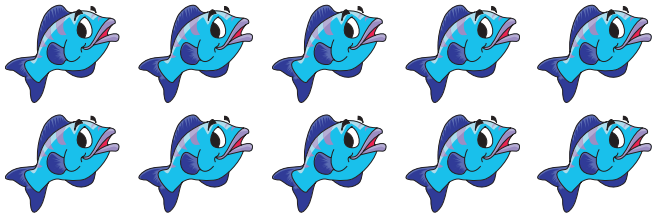
___ + ___ + ___ + ___ = ___



___ + ___ = ___

___ + ___ + ___ = ___

___ + ___ + ___ + ___ + ___ = ___



___ + ___ = ___

NAME _____

Lesson 1.2 Skip Counting

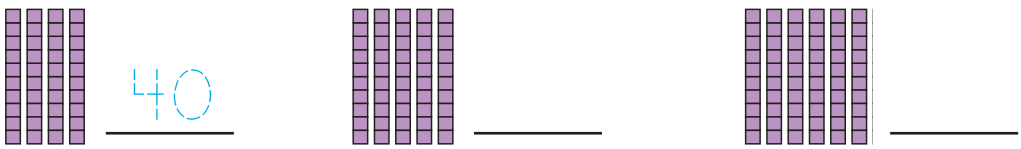
Count by 2. Write the missing numbers.

2, 4, 6, 8, 10, 12, _____

Count by 5. Write the missing numbers.

5, 10, 15, _____, 25, _____, _____

Count by 10. Write the missing numbers.



Count by 2. Write the missing numbers.

12, 14, _____, 18, 20, _____, 24, 26, 28

Count by 5. Write the missing numbers.

15, 20, 25, _____, _____, 40, 45, 50

_____, 60, _____, 70, _____, _____, 85

Count backward by 10. Write the missing numbers.

100, 90, 80, 70, _____, 50, _____, _____, 20, 10

NAME _____

Lesson 1.3 Skip Counting with Money

A penny  is 1¢

A nickel  is 5¢ 

A dime  is 10¢ 

Count pennies by 2. Write the missing numbers.

2¢, 4¢, 6¢, 8 ¢, _____ ¢, _____ ¢

Count by 2. Start at 80¢. Write the missing numbers.

80¢, 82¢, 84 ¢, 86¢, _____ ¢, _____ ¢

Count by 5. Write the missing numbers.

5¢, 10 ¢, 15¢, _____ ¢, 25¢, _____ ¢

NAME _____

Lesson 1.3 Skip Counting with Money

Count by 5. Start at 50¢.

50¢, 55 ¢, 60¢, _____ ¢, 70¢, _____ ¢

Count by 10.

10¢, 20 ¢, 30¢, _____ ¢, _____ ¢, 60¢,

70¢, _____ ¢, _____ ¢, 100¢

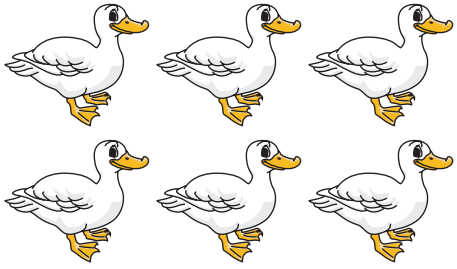
Count backward by 10. Start at 100¢.

100¢, 90¢, 80 ¢, 70¢, _____ ¢, 50¢,

_____ ¢, _____ ¢, _____ ¢, 10¢

NAME _____

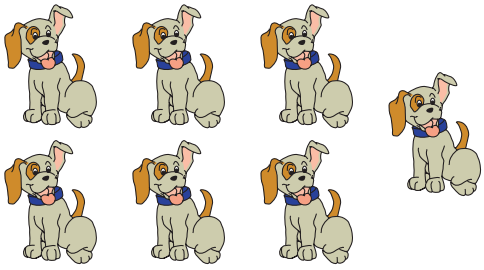
Lesson 1.4 Odd or Even?



even

3 + 3 = 6

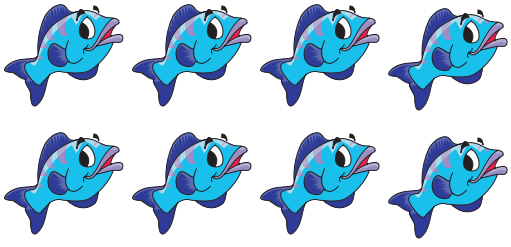
odd



odd

even

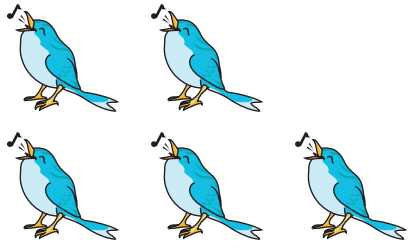
1 + 1 = 2



How many fish? 8

Odd or even? even

4 + 4 = 8



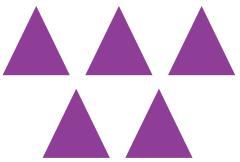
How many birds? _____

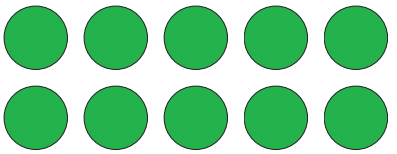
Odd or even? _____

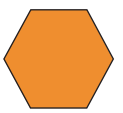
NAME _____

Lesson 1.4 Odd or Even?

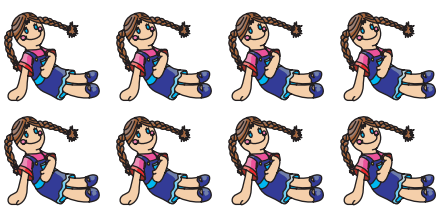
Circle the groups that are odd.







Tell how many. Label odd or even. Write an equation.

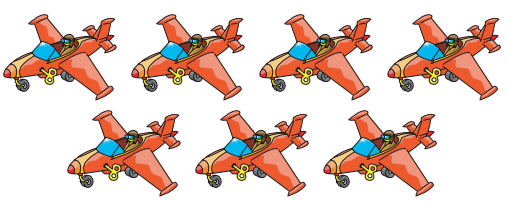


8 dolls even

4 + 4 = 8

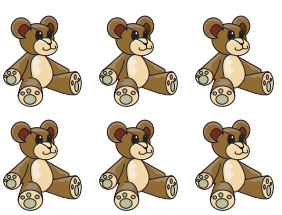
____ cars _____

___ + ___ = ___



____ jets _____

___ + ___ = ___



___ bears _____

___ + ___ = ___

NAME _____

Check What You Learned

Understanding and Using Numbers

Count by 2.

2, _____ , _____ , 8, _____ , _____

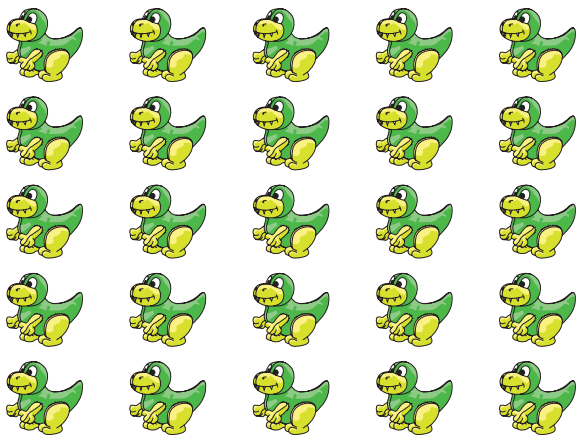
Count by 5.

5, _____ , _____ , 20, _____ , _____

Count by 10.

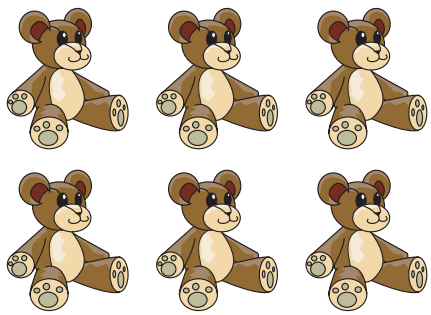
30, _____ , _____ , _____ , 70, 80, _____

Write an equation to match each array.



___ + ___ + ___ + ___ + ___

= ___



___ + ___ = ___

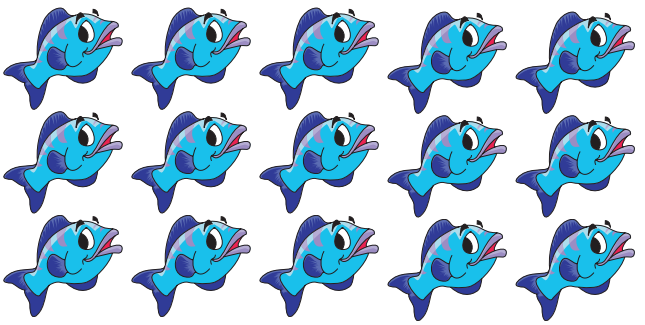
NAME _____

Check What You Learned

Understanding and Using Numbers

Write an equation to match each array.

___ + ___ + ___ + ___ = ___



___ + ___ + ___ = ___

Tell how many. Label odd or even. Write an equation.

_____ green circles

_____

___ + ___ = ___

_____ yellow stars

_____

___ + ___ = ___

_____ purple triangle

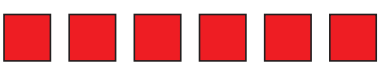
_____

___ + ___ = ___

_____ orange hexagons

_____

___ + ___ = ___



_____ red squares

_____

___ + ___ = ___

_____ teddy bears

_____

___ + ___ = ___

CHAPTER 1 POSTTEST

NAME _____

Check What You Know

Addition and Subtraction Facts through 20

Add.

7 +9	2 +3	0 +2	3 +8	5 +2	7 +8
4 +4	18 + 1	8 +4	3 +1	2 +7	9 +8
2 +1	6 +0	7 +6	5 +9	17 + 3	6 +4

Subtract.

5 −4	14 − 7	6 −4	10 − 5	13 − 5	18 − 9
11 − 4	19 − 7	9 −6	4 −4	16 − 8	15 − 9
17 − 8	8 −5	3 −0	20 − 3	12 − 4	7 −2

NAME _____

Check What You Know

SHOW YOUR WORK

Addition and Subtraction Facts through 20

Solve each problem.

Brian borrows 6 books from the library.

Jamal borrows 8 books.

How many books do they borrow in all? _____

There are 17 slices of pizza.

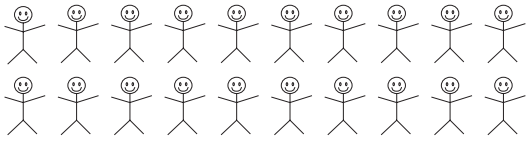
8 of them get eaten.

How many slices are left? _____

---

20 students are in the library.

6 students leave.



How many students are still in the library? _____

Sue borrows 6 books.

$6 + 2 =$  _____

If Nina borrows 2 more books than Sue, how many books does Nina borrow? _____

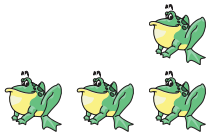
There are 8 desks on the first floor.

There are 7 desks on the second floor.

How many desks are there on the two floors? _____

NAME _____

Lesson 2.1 Adding through 5



1 ← addend → 2

+3 ← addend → +0

4 ← sum → 2

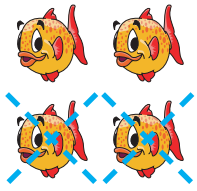
Add.

2 +3 5	2 +2	1 +4	4 +0	0 +1	2 +1
0 +2	1 +1	5 +0	1 +2	1 +3	3 +0
3 +1	0 +0	3 +2	0 +4	2 +2	0 +2
1 +0	4 +1	0 +3	1 +3	2 +3	2 +0
0 +0	1 +1	0 +5	2 +1	3 +1	1 +4

NAME _____

Lesson 2.2 Subtracting from 0 through 5

There are 4 fish. 2 swim away.
How many fish are left?



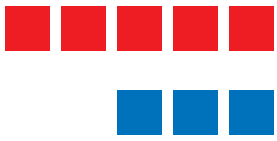
$$\begin{array}{r} 4 \\ -2 \\ \hline 2 \end{array} \leftarrow \text{difference}$$

Subtract.

$\begin{array}{r} 4 \\ -1 \\ \hline 3 \end{array}$	$\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ -1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ -0 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$

NAME _____

Lesson 2.3 Adding to 6, 7, and 8



$$\begin{array}{r} 5 \\ +3 \\ \hline 8 \end{array}$$

$\longleftarrow$ sum $\longrightarrow$

$$\begin{array}{r} 1 \\ +6 \\ \hline 7 \end{array}$$

Add.

$\begin{array}{r} 0 \\ +6 \\ \hline 6 \end{array}$	$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +0 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +0 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +1 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +0 \\ \hline \end{array}$
$\begin{array}{r} 0 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ +7 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +6 \\ \hline \end{array}$

NAME _____

Lesson 2.4 Subtracting from 6, 7, and 8

There are 7 balls.
5 are baseballs.
How many are not baseballs?

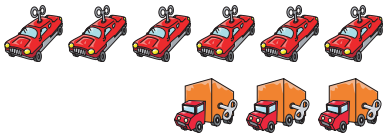
$$7 - 5 = 2$$

Subtract.

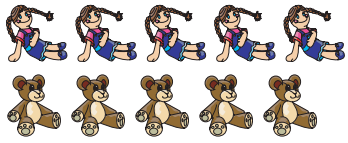
$8 - 4$	$7 - 1$	$6 - 3$	$7 - 3$	$8 - 5$	$6 - 2$
$7 - 0$	$8 - 7$	$6 - 4$	$7 - 7$	$8 - 3$	$6 - 6$
$6 - 1$	$8 - 2$	$7 - 4$	$6 - 5$	$8 - 6$	$7 - 5$
$8 - 8$	$6 - 0$	$7 - 2$	$8 - 1$	$8 - 0$	$7 - 6$
$6 - 2$	$8 - 3$	$8 - 4$	$7 - 3$	$7 - 7$	$6 - 3$

NAME _____

Lesson 2.5 Adding to 9 and 10



$$\begin{array}{r} 6 \\ +3 \\ \hline 9 \end{array}$$



$$\begin{array}{r} 5 \\ +5 \\ \hline 10 \end{array}$$

9 ⟵ sum ⟶ 10

Add.

$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +0 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ +9 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ +2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$

NAME _____

Lesson 2.6 Subtracting from 9 and 10

Dani has 10 postage stamps. 

Felix has 6 postage stamps. 

How many more stamps does Dani have?

$$\begin{array}{r} 10 \\ -\ 6 \\ \hline 4 \end{array}$$ ← difference

Subtract.

$\begin{array}{r} 9 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 4 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$
$\begin{array}{r} 10 \\ -\ 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 6 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 3 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 0 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 8 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ -\ 3 \\ \hline \end{array}$

NAME _____

Lesson 2.7 Adding to 11, 12, and 13

$8 + 4 = 10 + 2 = \underline{12}$

$6 + 7 = 10 + 3 = \underline{13}$

Add.

3 + 9	4 + 7	7 + 6	9 + 2	4 + 8	6 + 5
6 + 6	9 + 4	5 + 7	9 + 3	7 + 4	5 + 8
5 + 6	8 + 4	3 + 8	6 + 7	2 + 9	4 + 9
8 + 5	8 + 3	7 + 5	9 + 3	7 + 6	6 + 5
9 + 2	5 + 7	6 + 6	5 + 8	9 + 4	3 + 8

NAME _____

Lesson 2.8 Subtracting from 11, 12, and 13

13 = 1 ten 3 ones

Cross out to solve.

$$\begin{array}{r} 13 \\ -\,5 \\ \hline 8 \end{array}$$

12 = 1 ten 2 ones

Cross out to solve.

$$\begin{array}{r} 12 \\ -\,7 \\ \hline 5 \end{array}$$

Subtract.

$\begin{array}{r} 12 \\ -\,4 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,5 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,4 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,6 \\ \hline \end{array}$
$\begin{array}{r} 11 \\ -\,8 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,6 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,8 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,3 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,5 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,6 \\ \hline \end{array}$
$\begin{array}{r} 13 \\ -\,4 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,7 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,4 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,7 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,3 \\ \hline \end{array}$
$\begin{array}{r} 12 \\ -\,5 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,5 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,8 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,5 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,4 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,9 \\ \hline \end{array}$
$\begin{array}{r} 11 \\ -\,2 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,6 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,8 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,3 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,7 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,6 \\ \hline \end{array}$

NAME _____

Lesson 2.9 Adding to 14, 15, and 16

$$\begin{array}{r} 7 \\ +8 \\ \hline 15 \end{array} \quad = \quad \begin{array}{r} 10 \\ +5 \\ \hline 15 \end{array}$$

Add.

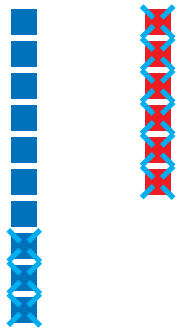
9 +5	4 +8	8 +8	5 +8	7 +7	2 +9
4 +7	5 +9	9 +4	9 +7	6 +6	7 +9
6 +8	8 +7	3 +9	8 +3	8 +6	6 +7
6 +9	7 +5	9 +3	7 +4	9 +6	7 +8
7 +6	9 +5	5 +6	7 +9	9 +2	6 +8

NAME _____

Lesson 2.10 Subtracting from 14, 15, and 16

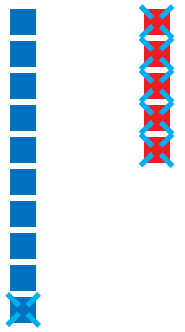
$$\begin{array}{r} 16 \\ -\,9 \\ \hline 7 \end{array}$$

Think:
16 = 1 ten 6 ones



$$\begin{array}{r} 15 \\ -\,6 \\ \hline 9 \end{array}$$

Cross out to solve.
15 = 1 ten 5 ones



Subtract.

$\begin{array}{r} 14 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -\,8 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,8 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,3 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -\,7 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,8 \\ \hline \end{array}$
$\begin{array}{r} 11 \\ -\,6 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -\,7 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -\,8 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,5 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,4 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,5 \\ \hline \end{array}$
$\begin{array}{r} 14 \\ -\,5 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,6 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -\,7 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,6 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -\,6 \\ \hline \end{array}$
$\begin{array}{r} 13 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -\,8 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ -\,2 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -\,6 \\ \hline \end{array}$
$\begin{array}{r} 11 \\ -\,4 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\,7 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\,5 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -\,9 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -\,7 \\ \hline \end{array}$

NAME _____

Lesson 2.11 Adding to 17, 18, 19, and 20

$$\begin{array}{r} 9 \\ +8 \\ \hline 17 \end{array}$$

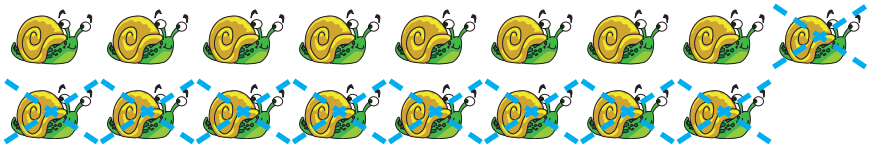
$$= \quad \begin{array}{r} 10 \\ +7 \\ \hline 17 \end{array}$$

Add.

$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ +\ 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ +\ 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$
$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +6 \\ \hline \end{array}$
$\begin{array}{r} 13 \\ +\ 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ +\ 3 \\ \hline \end{array}$
$\begin{array}{r} 15 \\ +\ 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ +\ 7 \\ \hline \end{array}$

NAME _____

Lesson 2.12 Subtracting from 17, 18, 19 , and 20



$$\begin{array}{r} 17 \\ -\ 9 \\ \hline 8 \end{array}$$

Subtract.

$\begin{array}{r} 18 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -\ 8 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\ 7 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ -\ 9 \\ \hline \end{array}$
$\begin{array}{r} 12 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ -\ 8 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -\ 6 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\ 8 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\ 6 \\ \hline \end{array}$
$\begin{array}{r} 15 \\ -\ 7 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -\ 8 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\ 5 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ -\ 7 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\ 7 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ -\ 9 \\ \hline \end{array}$
$\begin{array}{r} 17 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -\ 7 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -\ 9 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ -\ 3 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -\ 8 \\ \hline \end{array}$
$\begin{array}{r} 20 \\ -\ 5 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -\ 6 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ -\ 8 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ -\ 8 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -\ 7 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ -10 \\ \hline \end{array}$

NAME _____

Lesson 2.13 Problem Solving

SHOW YOUR WORK

Solve each problem.

Steve has 7 fish. 

Ramon has 13 fish. 

How many more fish does Ramon have? 6

13 − 7 = 6

Yolanda has 8 teddy bears. 

Maria has 6 teddy bears. 

How many do they have in all? _____

Gina bakes 15 cupcakes. 

Her friends eat 7. 

How many cupcakes are left? _____

---

6 students were in the classroom.

Now, there are 9 students in the classroom.

How many students came in? _____

$6 + \_\_\_\_ = 9$ 

Mark has 18 toy cars. 

He gives 9 away. 

How many cars does he have left? _____

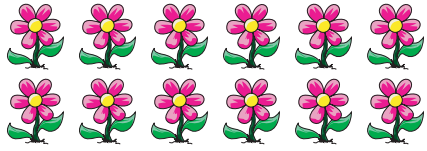
NAME _____

Lesson 2.13 Problem Solving

SHOW YOUR WORK

Solve each problem.

Yoko picks 12 flowers.



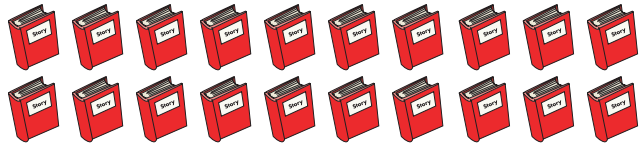
She gives 6 to her mother.

How many flowers does Yoko have now?

Will you add or subtract? subtract Solve.

$$\begin{array}{r} 12 \\ -\ 6 \\ \hline 6 \end{array}$$

Taylor has 20 books.



5 of them are about sports.

How many of them are not about sports?

Will you add or subtract? _____ Solve.

Jesse mows 6 lawns.

Martin mows 7 lawns.

How many lawns do they mow in all?

Will you add or subtract? _____ Solve.

Together, Kiki and Sara have 9 books.

$9 - 5 =$ _____

Kiki has 5 books.

How many books does Sara have? _____

Check What You Learned

Addition and Subtraction Facts through 20

Add.

3 +4	8 +2	5 +7	2 +1	9 +7	9 +9
1 +8	6 +7	5 +1	0 +4	9 +5	3 +2
6 +2	12 + 8	8 +7	9 +8	5 +6	14 + 5

Subtract.

13 − 4	7 −1	4 −2	14 − 8	10 − 9	5 −0
19 − 9	15 − 6	6 −6	17 − 8	8 −2	12 − 6
16 − 8	18 − 9	20 − 4	3 −3	11 − 8	9 −9

Check What You Learned

SHOW YOUR WORK

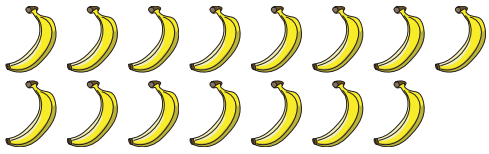
Addition and Subtraction Facts through 20

Solve each problem.

There are 15 bananas.

Joe takes 6.

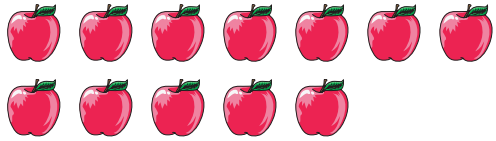
How many bananas are left? _____



The Changs have 7 apples.

Mrs. Chang buys 5 more.

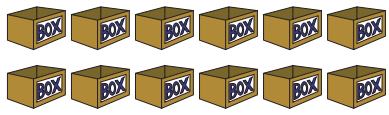
How many apples do they have now? _____



The store has 12 boxes of plums.

5 boxes of plums are sold.

How many boxes are left? _____



Together, Grace and her sister bought 18 bananas.

Grace bought 9 bananas.

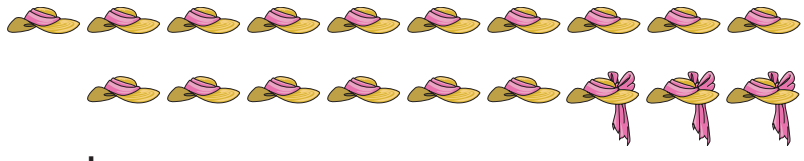
9 + _____ = 18

How many bananas did her sister buy? _____

Mrs. Lopez has 19 hats.

3 of the hats have bows.

How many hats do not have bows? _____



CHAPTER 2 POSTTEST

NAME _____

Check What You Know

Adding and Subtracting 2-Digit Numbers (No Renaming)

Add.

26 +31	34 +40	22 +76	53 + 6	16 +53
17 +42	81 +10	34 + 5	24 +34	42 +51
14 13 +12	46 20 + 2	16 41 +21	22 30 +44	40 16 + 3

Subtract.

46 −41	77 −50	63 −43	19 − 6	35 −13
57 −33	88 −61	97 −47	29 −12	48 −45
39 − 4	44 −13	67 −61	99 −79	54 −32

NAME _____

Check What You Know

SHOW YOUR WORK

Adding and Subtracting 2-Digit Numbers (No Renaming)

Solve each problem.

Mara sees 46  . Some flew away. 46 −  = 24

Patrick sees only 24  .

How many  flew away? _____

---

36  are on the lake.

22  are on the shore.

How many  are there in all? _____

The store has 37  .

It has 25  . How many more 

does it have than  _____?

---

58  are on the field.

45 of the  are playing soccer.

How many  are not playing soccer? _____

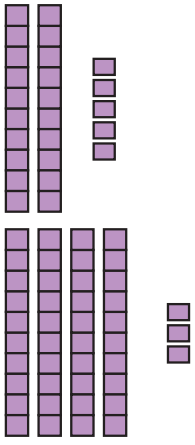
Martina spends 53¢  .

Dave spends 41¢  .

How much more does Martina spend? _____¢

NAME _____

Lesson 3.1 Adding 2-Digit Numbers



$$\begin{array}{r} 25 \\ +43 \\ \hline \end{array}$$

First add ones. Then, add tens.

$$\begin{array}{r} 25 \\ +43 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 25 \\ +43 \\ \hline \text{sum} \rightarrow 68 \end{array}$$

Add.

$\begin{array}{r} 53 \\ +11 \\ \hline \end{array}$ 64	$\begin{array}{r} 36 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 74 \\ +\ 5 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ +61 \\ \hline \end{array}$	$\begin{array}{r} 40 \\ +34 \\ \hline \end{array}$
$\begin{array}{r} 25 \\ +51 \\ \hline \end{array}$	$\begin{array}{r} 44 \\ +\ 4 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ +72 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ +12 \\ \hline \end{array}$	$\begin{array}{r} 66 \\ +22 \\ \hline \end{array}$
$\begin{array}{r} 31 \\ +60 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ +32 \\ \hline \end{array}$	$\begin{array}{r} 91 \\ +\ 7 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ +23 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ +37 \\ \hline \end{array}$
$\begin{array}{r} 17 \\ +70 \\ \hline \end{array}$	$\begin{array}{r} 28 \\ +41 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ +\ 3 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ +14 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ +24 \\ \hline \end{array}$
$\begin{array}{r} 84 \\ +11 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ +50 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ +80 \\ \hline \end{array}$	$\begin{array}{r} 38 \\ +21 \\ \hline \end{array}$	$\begin{array}{r} 33 \\ +20 \\ \hline \end{array}$

NAME _____

Lesson 3.1 Adding 2-Digit Numbers

Add.

63 + 6 69	42 +55 97	29 +10	71 + 8	62 +13
45 +54	19 +60	30 + 9	16 +41	22 +64
30 +26	81 + 7	47 + 2	56 +11	48 +20
15 +34	67 + 1	42 +21	56 +20	39 +50
23 +33	17 +52	44 +12	16 +32	86 +13
90 + 4	31 +45	68 +10	24 +34	36 +41
73 + 5	25 +64	75 + 3	58 +40	51 +12

NAME _____

Lesson 3.2 Addition Practice

Add.

53 +14 67	83 + 6 89	65 +20	18 +61	12 +27
62 + 7	71 +13	66 +11	16 +31	27 +60
46 +43	55 + 2	19 +70	74 +22	16 +53
73 +12	14 +13	44 +50	35 +54	10 +30
91 + 5	72 + 5	26 +41	33 +51	40 +25
24 +45	81 +13	34 +52	56 +11	37 +50
30 +19	36 + 3	12 +42	83 + 4	67 +10

NAME _____

Lesson 3.2 Problem Solving

SHOW YOUR WORK

Solve each problem.

Marti catches 10  in one pond.

She catches 11  in another pond.

How many  does she catch in all? 21

$$\begin{array}{r} 10 \\ +\ 11 \\ \hline 21 \end{array}$$

There are 42  in one tree.

There are 33  in another tree.

How many  are in both trees? _____

Craig finds 13  .

Zach finds 20  .

How many  do they find in all? _____

There were 28  in the park. Some left.

There were 14  remaining in the park. 28 −  = 14

How many  left the park? _____

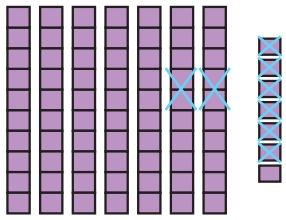
There are 32  in one flock.

There are 27  in another flock.

How many  are there in all? _____

NAME _____

Lesson 3.3 Subtracting 2-Digit Numbers

		First, subtract the ones.	Then, subtract the tens.
77		77	77
−26		−26	−26
		1	51

Subtract.

49 −39 10	87 − 6 81	36 −24	54 −40	68 −16
79 −63	78 −25	42 −12	19 − 7	26 −11
59 −38	28 −14	95 −62	74 −50	67 −41
92 −81	35 − 5	77 −17	82 −51	86 −64
58 −53	75 −61	47 −37	89 −27	65 −60

NAME _____

Lesson 3.3 Subtracting 2-Digit Numbers

Subtract.

91 −80 11	46 −23 23	57 −32	83 −33	69 −55
34 −21	48 −22	73 −52	56 −23	76 −45
65 −13	44 −20	96 −85	66 −31	90 −70
43 −10	72 −30	88 −71	94 −84	29 − 5
99 − 8	18 − 4	26 −22	86 −55	39 −27
78 −64	93 − 3	59 −25	82 −50	77 −36
97 −72	69 − 8	74 −12	16 − 3	46 −35

NAME _____

Lesson 3.4 Subtraction Practice

Subtract.

67 −45 22	54 −20 34	73 −63	99 −83	68 −62
79 − 7	88 −70	37 −34	66 − 6	89 −44
57 −32	95 −63	47 − 4	87 −42	49 −48
65 −30	76 −33	85 −31	92 −52	38 −17
96 −81	43 −11	58 − 7	93 −53	84 −71
94 −14	63 − 3	29 −15	97 −23	61 −40
49 − 6	24 − 4	77 −51	98 −80	45 −23

NAME _____

Lesson 3.4 Problem Solving

SHOW YOUR WORK

Solve each problem.

Ms. Willis has 28  .

Mr. Sanchez borrows 10  .

How many  does Ms. Willis have left? 18

$$\begin{array}{r} 28 \\ -\ 10 \\ \hline 18 \end{array}$$

The first-grade class has 32  .

The second-grade class has 30  .

How many more  does the first-grade class have? _____

The art room has 65  .

Students are using 22  .

How many  are not being used? _____

Students had 44  at breakfast.

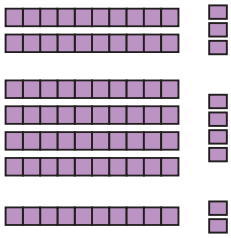
They had 59  at lunch. How many more  did students have at lunch? _____

The library has 37  about computers. 37 − 12 = _____ 

12 of the  have been borrowed. How many  about computers are still in the library? _____

NAME _____

Lesson 3.5 Adding Three Numbers

		Add the ones.	Add the tens.
23		23	23
44		44	44
+12		+12	+12
		9	79

Add.

13 50 + 6 69	62 11 +15	44 23 +20	16 40 +12	22 32 +42
22 44 +21	30 10 + 9	71 12 + 4	12 20 +33	33 20 + 6
36 20 +13	12 40 + 4	25 32 + 1	11 16 +20	32 12 +22
25 11 +43	10 24 + 5	44 11 +22	30 24 +14	21 37 +30

NAME _____

Lesson 3.5 Problem Solving

SHOW YOUR WORK

Solve each problem.

Lanie has 10  .

Tina has 12  . Paul has 25  .

How many  do they have in all? 47

$$\begin{array}{r} 10 \\ 12 \\ +\ 25 \\ \hline 47 \end{array}$$

The toy store sold 14  in March,

15  in April, and 20  in May.

How many  did the toy store sell in all? _____

Felicia puts 6  , 22  , and

30  on shelves. How many toys

does Felicia put on shelves? _____

The toy store has 32  , 26  ,

and 10  . How many of these toys

does the toy store have in all? _____

The bakery sells 14  on Monday, 23 

on Tuesday, and 30  on Wednesday.

How many  did the bakery sell? _____

NAME _____

Lesson 3.6 Problem Solving

Circle the most expensive item.

A pencil costs	A pen costs	A marker costs	A crayon costs
			
30¢	32¢	42¢	24¢

A pencil costs 30¢
A marker costs +42¢
The two items cost 72¢

A pen costs ____¢
A crayon costs + ____¢
The two items cost ____¢

A pencil costs ____¢
A pen costs + ____¢
The two items cost ____¢

A marker costs ____¢
A crayon costs + ____¢
The two items cost ____¢

A pencil costs ____¢
A marker costs ____¢
A crayon costs + ____¢
The three items cost ____¢

A pen costs ____¢
A crayon costs ____¢
A pencil costs + ____¢
The three items cost ____¢

NAME _____

Lesson 3.6 Problem Solving

A banana costs	An apple costs	An orange costs	A melon costs
			
35¢	20¢	33¢	85¢

Which fruit costs the most? _____

Which fruit costs the least? _____

A melon costs 85¢

An orange costs − 33¢

A melon costs this much more. 52¢

An orange costs ¢

An apple costs − ¢

An orange costs this much more. ¢

A banana costs ¢

An apple costs − ¢

A banana costs this much more. ¢

A melon costs ¢

An apple costs − ¢

A melon costs this much more. ¢

A melon costs ¢

A banana costs − ¢

A melon costs this much more. ¢

A banana costs ¢

An orange costs − ¢

A banana costs this much more. ¢

NAME _____

Check What You Learned

Adding and Subtracting 2-Digit Numbers (No Renaming)

CHAPTER 3 POSTTEST

Add.

42 +37	12 +24	90 + 3	22 +44	15 +42	63 +36
14 +33	22 + 6	14 +45	23 +35	72 +12	15 +20
11 23 +25	36 20 +12	14 10 + 3	12 52 +23	35 10 + 4	20 30 +19

Subtract.

79 −63	44 −20	68 −55	52 −11	85 −35	26 − 4
99 −46	76 − 6	19 −16	45 −12	76 −42	39 −15
77 − 4	64 −54	95 −70	37 − 7	29 −12	96 −52

NAME _____

Check What You Learned

SHOW YOUR WORK

Adding and Subtracting 2-Digit Numbers (No Renaming)

Solve each problem.

Kerry has 15  .

Janice has 14  .

How many  do they have in all? _____

Jermaine has 27  .

Brian has 31  .

The boys lost 5  playing at the park.

How many  do they have now? _____

The class plants 35 

The  grow into 24  . 3 of the  die.

How many  does the class have? _____

Sydney makes 45  .

Rosa makes 65  .

How many more  does Rosa make? _____

Josh spends 45¢  at the bake sale.

Nate spends 52¢  at the bake sale.

How much do they spend in all? _____¢

NAME _____

Check What You Know

Adding and Subtracting 2-Digit Numbers (With Renaming)

Add.

45 +37	66 + 9	44 +19	65 +25	36 +47
17 +56	33 + 8	29 +28	57 +15	76 +19
64 +27	55 + 6	38 +46	12 +48	18 +26

Subtract.

93 −65	54 −49	23 − 5	63 −57	80 −42
33 −16	52 −24	85 −37	40 −18	77 −19
32 − 8	66 −59	70 −21	83 − 9	94 −67

NAME _____

Check What You Know

SHOW YOUR WORK

Adding and Subtracting 2-Digit Numbers (With Renaming)

Solve each problem.

Anita picks 45  .

She picks 61  .

How many more  than  does she pick? _____

José picks 38  . He picks 35  .

He uses 2  and 1  to make a pie.

How many pieces of fruit does José have left? _____

Max's bucket holds 72  .

Trey's bucket holds 44  .

How many more  does Max's bucket hold? _____

Carol and Paula have 91  .

Paula picked 45  .

How many  did Carol pick? _____

91 − 45 = _____ 

The farm stand has 95  for sale.

The farm stand sells 38  .

How many  are left? _____

NAME _____

Lesson 4.1 Adding 2-Digit Numbers

Add the ones.	Put the ones in the ones place. Put the tens in the tens place.	Add the tens.
37 7 +45 +5 ? 12 12 = 1 ten 2 ones	1 37 +45 2	1 37 +45 sum → 82
46 6 +29 +9 ? 15 15 = 1 ten 5 ones	1 46 +29 5	1 46 +29 sum → 75

Add.

15 +66 81	48 +44	29 +35	19 +18	43 +39
75 +17	88 + 8	47 +37	26 +55	27 + 9
65 + 7	34 +28	46 + 5	69 +23	36 +49
54 +16	14 +59	45 +25	24 + 6	33 +58

NAME _____

Lesson 4.1 Adding 2-Digit Numbers

Add.

12 +78 90	56 + 7	67 + 3	11 +79	26 +38
32 +18	74 + 9	45 +15	53 +19	29 +13
57 +14	52 +39	16 +64	77 + 8	48 +12
28 +27	63 +17	35 + 6	25 +59	47 +23
65 + 5	44 +38	24 +37	11 +49	46 +36
27 +46	53 +18	19 +45	29 +18	32 +49

NAME _____

Lesson 4.2 Addition Practice

Add the ones.	Put the one in the ones place. Put the ten in the tens place.	Add the tens.
36 + 44 = ? 6 + 4 = 10 10 = 1 ten 0 ones	1 36 + 44 = 0	1 36 + 44 sum → 80

Add.

13 + 58 = 71	42 + 9	26 + 57	38 + 22	15 + 49
55 + 18	32 + 29	56 + 4	68 + 7	39 + 28
33 + 8	53 + 29	67 + 25	16 + 36	78 + 14
34 + 19	48 + 3	24 + 47	35 + 5	54 + 27
43 + 17	76 + 6	23 + 69	46 + 19	59 + 13
72 + 18	27 + 56	34 + 29	19 + 65	36 + 49

NAME _____

Lesson 4.2 Problem Solving

SHOW YOUR WORK

Solve each problem.

Cara has 35  .

Ben has 39  .

How many  do they have in all? 74

$$\begin{array}{r} {}^{1} \\ 35 \\ +\,39 \\ \hline 74 \end{array}$$

Marcus has 48  .

May has 36  .

Together, they use 30  to mail cards.

How many  do they have left? _____

Pedro picks 33  .

Jessica picks 28  .

How many  do they pick in all? _____

There are 24 students with  or  .

$9 + \_\_\_\_\_ = 24$ 

There are 9 students with  .

How many students have  ? _____

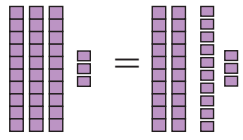
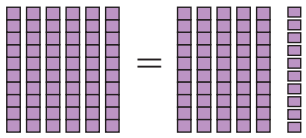
Toya picks 15  .

Jon picks 16  .

How many  do they pick in all? _____

NAME _____

Lesson 4.3 Subtracting 2-Digit Numbers

	Rename 1 ten as 10 ones.	Subtract the ones.	Subtract the tens.
33  −19 3 tens 3 ones = 2 tens 13 ones	2 13 ~~3~~ ~~3~~ −19	2 13 ~~3~~ ~~3~~ −19 4	2 13 ~~3~~ ~~3~~ −19 difference → 14
60  −28 6 tens 0 ones = 5 tens 10 ones	5 10 ~~6~~ ~~0~~ −28	5 10 ~~6~~ ~~0~~ −28 2	5 10 ~~6~~ ~~0~~ −28 difference → 32

Subtract.

2 16 ~~3~~ ~~6~~ − 7 2 9	51 −39	44 −15	84 −47	72 −65
76 −19	90 −78	53 −26	94 −85	75 −18
44 −29	83 −46	64 −59	50 −29	97 −78
66 −28	32 −17	40 −25	57 −29	61 − 5

NAME _____

Lesson 4.3 Subtracting 2-Digit Numbers

	Rename 1 ten as 10 ones.	Subtract the ones.	Subtract the tens.
41 −35	3 11 ~~4~~ ~~1~~ −35	3 11 ~~4~~ ~~1~~ −35 6	3 11 ~~4~~ ~~1~~ −35 difference → 6 Should you write a number in the tens place? _____

Subtract.

72 −69 3	28 −19	66 −48	96 − 8	82 −37
80 −67	24 − 8	60 −43	54 −45	91 −55
42 −38	82 −56	92 −63	77 −68	81 −33
74 −58	86 −48	73 −49	95 −87	30 −14
46 −27	31 −23	71 −34	22 − 6	96 −69

NAME _____

Lesson 4.4 Subtraction Practice

	Rename 1 ten as 10 ones.	Subtract the ones.	Subtract the tens.
51 −23	4 11 5 1 −23	4 11 5 1 −23 8	4 11 5 1 −23 difference → 28

Subtract.

98 −89 9	20 − 3	11 − 2	46 −29	64 −38
71 −35	60 −15	22 −13	56 −28	44 −17
10 − 6	53 −25	74 −26	51 − 4	75 −39
42 −27	75 −46	82 −36	51 −25	97 −49
50 −14	82 −45	55 −47	72 −48	90 −41
76 −58	31 − 7	43 −34	62 −27	92 −36

NAME _____

Lesson 4.4 Problem Solving

SHOW YOUR WORK

Solve each problem.

Freddie finds 33  .

Tina finds 28  .

How many more  does Freddie find? 5

$$\begin{array}{r} 2\,13 \\ 3\,\not{3} \\ -\ 2\,8 \\ \hline 5 \end{array}$$

Adam picks up 25  on Monday and 27  on Tuesday.

19 of the  are broken.

How many of the  are not broken? _____

Becky has 31  .

She eats 8  .

How many  does she have left? _____

William has 26  .

He gave some  to a friend.

Now he has only 18  .

How many  did William give to his friend? _____

26 −  = 18

Connie counts 42  .

Annie counts 27  .

How many more  does Connie count? _____

NAME _____

Check What You Learned

Adding and Subtracting 2-Digit Numbers (With Renaming)

CHAPTER 4 POSTTEST

Add.

42 +18	79 + 5	85 + 7	44 +29	15 +27
35 +28	25 +55	34 +19	63 + 9	24 +39
47 + 6	12 +38	57 +26	49 +11	16 + 8

Subtract.

83 −44	68 −59	73 −38	30 −24	65 −39
53 −35	15 − 9	47 −18	75 −37	26 −18
84 −46	60 −34	76 −29	52 −43	42 −27

NAME _____

Check What You Learned

SHOW YOUR WORK

Adding and Subtracting 2-Digit Numbers (With Renaming)

Solve each problem.

Yumi picks 50  .
Kris picks 38  . They use 10  to make a fruit salad.
How many  do they have left? _____

The farm stand has two kinds of  .
It has 57 of one kind and 39 of the other kind.
How many  does the farm stand have in all? _____

Ayisha buys 60  , and
51 of them are ripe.
How many of the  are not ripe? _____

Nick picks 42  .
He sells 18  at the farm stand.
How many  does Nick have left? _____

42 − 18 = _____ 

The farm stand sells 37  on Saturday
and 29  on Sunday. How many
 does it sell in all? _____

CHAPTER 4 POSTTEST

NAME _____

Mid-Test Chapters 1–4

Add.

4 +9	28 +15	44 + 5	8 +6	55 +39	1 +8
8 +9	63 +15	73 + 8	0 +5	23 +46	2 +6
12 23 + 4	30 17 +31	1 +3	4 +8	18 +34	48 +20

Subtract.

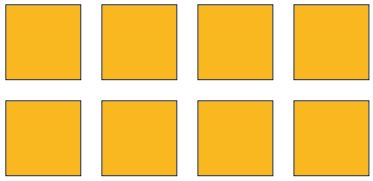
79 −43	7 −2	18 − 9	43 −15	12 − 3	68 −15
30 −19	15 − 8	10 − 3	46 −36	3 −0	43 − 6
14 − 6	8 −8	56 −44	72 −35	17 − 9	9 −4

CHAPTERS 1–4 MID-TEST

NAME _____

Mid-Test Chapters 1–4

Odd or even? _____



Odd or even? _____

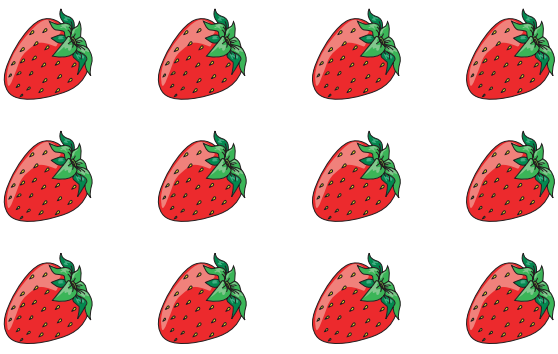
Count by 5. Start at 40.

40, 45, ____, ____, 60, ____

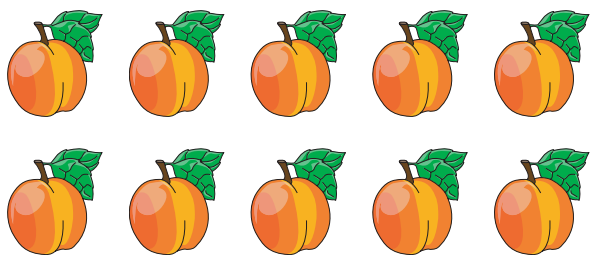
Count by 2. Start at 12¢.

12¢, ____¢, ____¢, 18¢, ____¢, ____¢

Write an equation to match each array.



____ + ____ + ____ = ____



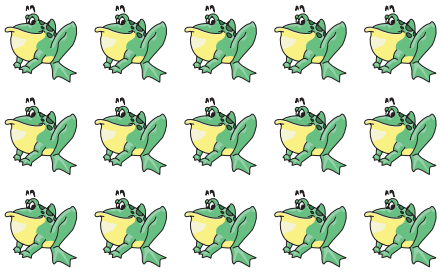
____ + ____ = ____

CHAPTERS 1–4 MID-TEST

NAME _____

Mid-Test Chapters 1–4

Write an equation to match the array.

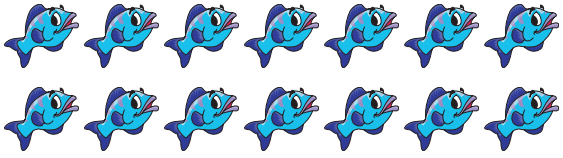


____ + ____ + ____ = ____

Count by 10.

40, ____, ____, ____, 80, 90, ____, ____, ____, ____, 140

Tell how many. Label odd or even. Write an equation that adds together two equal parts.



How many  ? _____

Odd or even? _____

____ + ____ = ____

SHOW YOUR WORK

Solve each problem.

Pascal picks 14  .

Kim picks 13  .

How many  do they pick in all? _____

The Williams family has 34 stuffed animals.

9 of them are  .

How many of them are not  ? _____

CHAPTERS 1–4 MID-TEST

NAME _____

Mid-Test Chapters 1–4

SHOW YOUR WORK

Solve each problem.

Emil lends 3  to Jeff.
He now has 12  left.
How many  did Emil start with? _____

Terrence has 24  .
Bella has 22  . Mike has 21  .
How many  do they have in all? _____

An apple costs  .
An orange costs  .
How much do they cost? _____¢

The earth club plants 14  on Saturday
and 18  on Sunday.
How many  do they plant in all? _____

The earth club plants 45  .
24 of the  are red. 13 of the  are yellow.
How many  are not red or yellow? _____

CHAPTERS 1–4 MID-TEST

NAME _____

Check What You Know

Working with 3-Digit Numbers

Count by 5.

450, _____, _____, 465, 470, _____, 480, _____

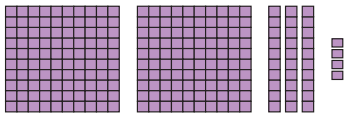
Count by 10.

360, _____, _____, 390, 400, _____, _____, 430

Count by 100.

_____, 200, _____, _____, 500, _____, _____

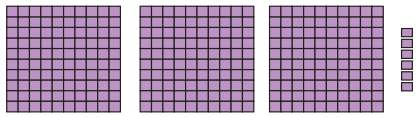
Write the number and its expanded form or number name.



_____

Expanded Form:

____ + ____ + ____ = ____



_____

Number Name:

_____

Compare numbers. Use > , < , or =.

460	☐	540	918	☐	908	103	☐	120
575	☐	590	260	☐	240	347	☐	298
701	☐	707	647	☐	742	818	☐	818
157	☐	120	450	☐	370	963	☐	993

NAME _____

Check What You Know

Working with 3-Digit Numbers

Add.

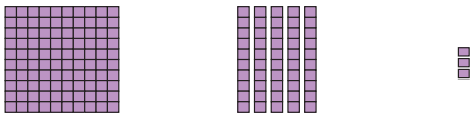
27 +43	86 +92	135 + 47	82 +13	45 + 154	87 + 196
387 + 405	786 + 193	150 + 270	863 + 42	323 + 46	76 +84
32 + 196	46 + 231	87 + 121	76 +93	23 +54	186 + 231

Subtract.

123 − 15	87 −23	545 − 35	79 −63	187 − 93	782 − 143
898 − 454	763 − 321	981 − 133	725 − 125	805 − 73	120 − 80
76 −41	87 −35	72 −35	153 − 92	763 − 154	876 − 450

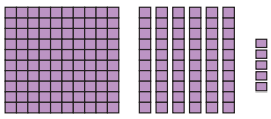
NAME _____

Lesson 5.1 Counting and Writing 150 through 199



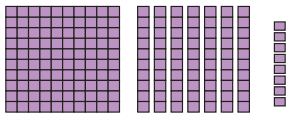
1 hundred + 5 tens + 3 ones = 153
Expanded Form: 100 + 50 + 3 = 153

Write the number and its expanded form.



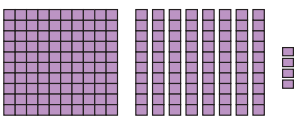
165

100 + 60 + 5 = 165



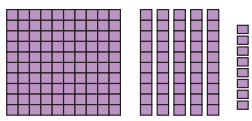
_____

_____ + _____ + _____ = _____



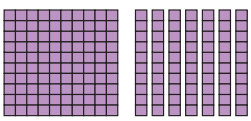
_____

_____ + _____ + _____ = _____



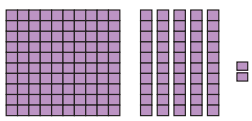
_____

_____ + _____ + _____ = _____



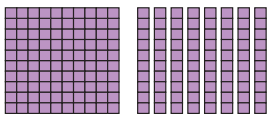
_____

_____ + _____ + _____ = _____



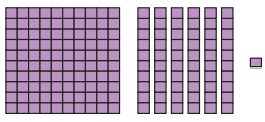
_____

_____ + _____ + _____ = _____



_____

_____ + _____ + _____ = _____

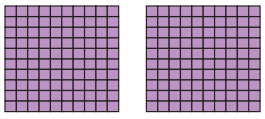


_____

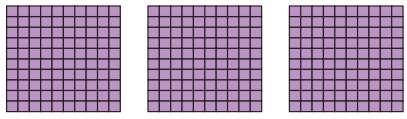
_____ + _____ + _____ = _____

NAME _____

Lesson 5.2 Counting and Writing 200 through 399

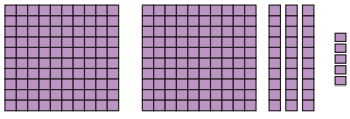


200
Number Name: two hundred



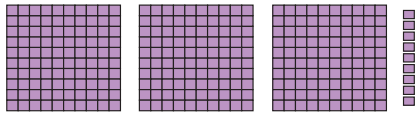
300
Number Name: three hundred

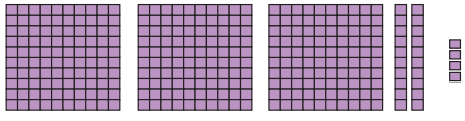
Write the number and the number name.

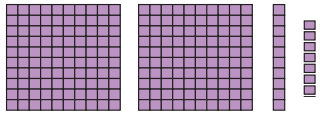


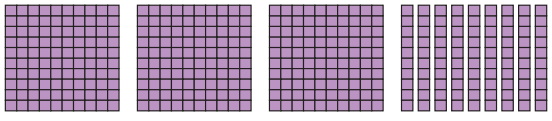
235

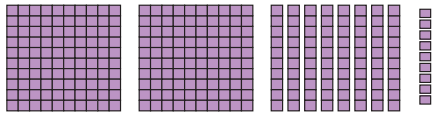
two hundred thirty-five

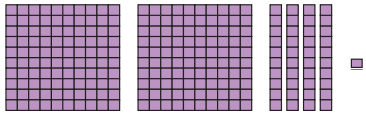


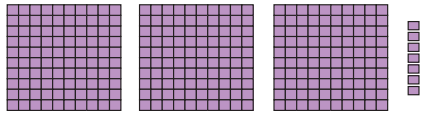






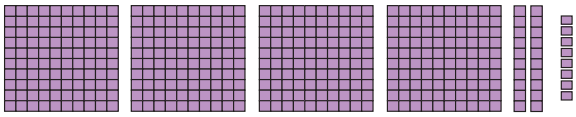






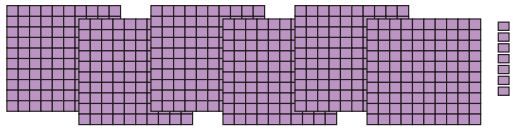
NAME _____

Lesson 5.3 Counting and Writing 400 through 699



428

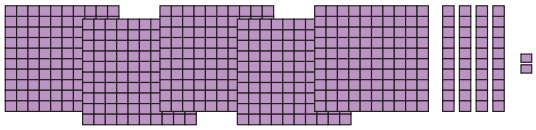
Number Name:
four hundred twenty-eight



607

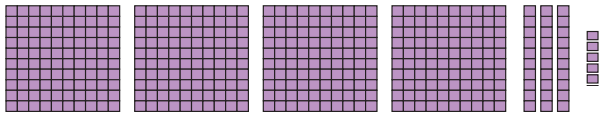
Number Name:
six hundred seven

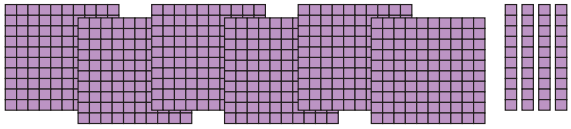
Write the number and the number name.

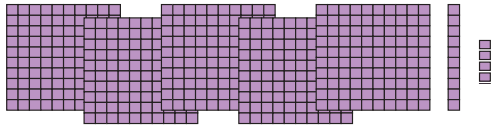


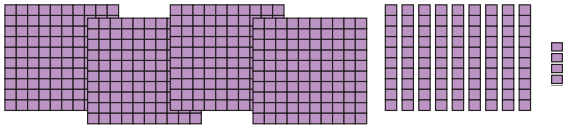
542

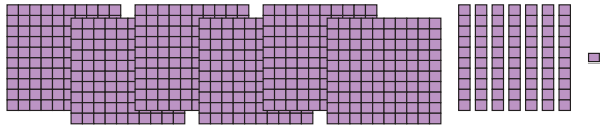
five hundred forty-two

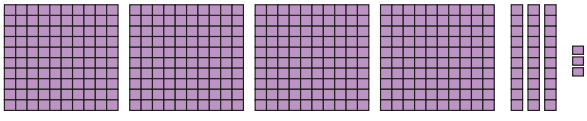


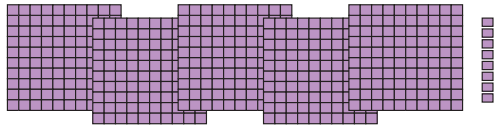










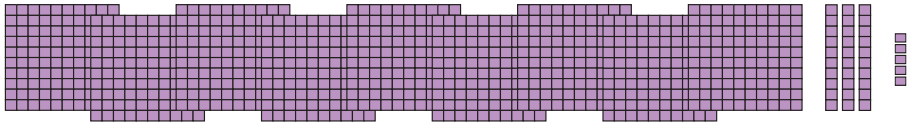


Spectrum Math
Grade 2
70

Chapter 5, Lesson 3
Working with 3-Digit Numbers

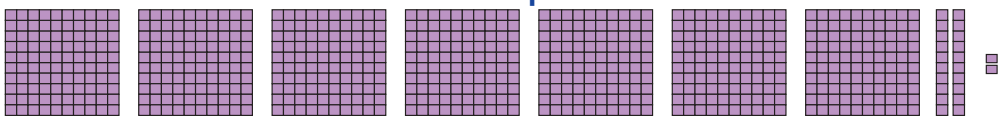
NAME _____

Lesson 5.4 Counting and Writing 700 through 999



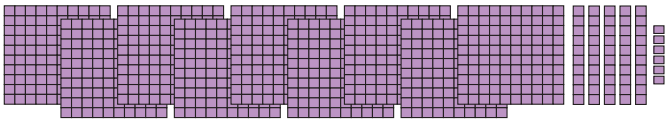
9 hundreds 3 tens 5 ones = 935
Expanded Form: 900 + 30 + 5 = 935

Write the number and its expanded form.



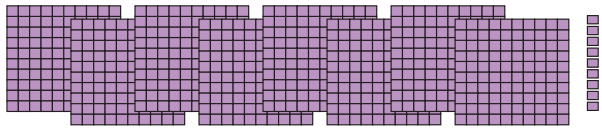
722

700 + 20 + 2 = 722



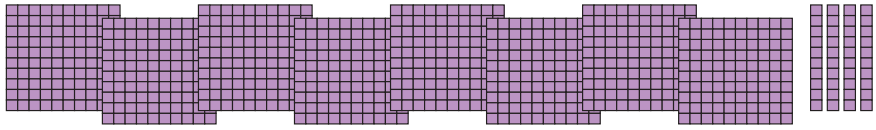
_____

____ + ____ + ____ = ____



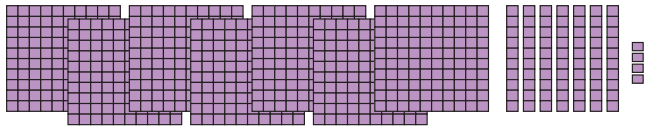
_____

____ + ____ + ____ = ____



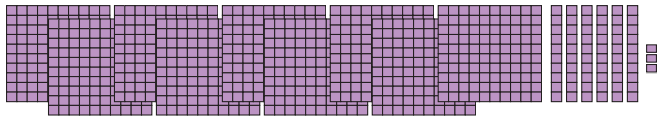
_____

____ + ____ + ____ = ____



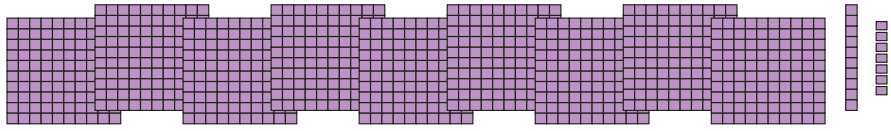
_____

____ + ____ + ____ = ____



_____

____ + ____ + ____ = ____



_____

____ + ____ + ____ = ____

NAME _____

Lesson 5.5 Skip Counting

Count 3-digit numbers by 1.

Start at 310.

310, 311, 312, 313, 314, _____, _____, 317

Start at 415.

415, 416, 417, 418, _____, 420, _____, 422

Skip count 3-digit numbers.

Count by 5. Start at 600.

600, 605, 610, _____, _____, 625, 630, _____

Count by 5. Start at 780.

780, 785, 790, _____, 800, 805, _____, _____

Count by 10. Start at 200.

200, 210, _____, 230, _____, 250, _____, 270

Count by 10. Start at 350.

350, 360, 370, _____, _____, 400, _____, _____

Count by 100. Start at 100.

100, 200, 300, _____, _____, 600, _____

Count backward by 100. Start at 900.

900, 800, 700, _____, 500, _____, _____

NAME _____

Lesson 5.5 Skip Counting

Skip count 3-digit numbers.

Count by 5. Start at 400.

400, 405, _____, _____, _____, 425, 430, _____, _____

Count by 10. Start at 310.

310, _____, _____, _____, 350, 360, _____

Count backward by 10. Start at 670.

670, _____, _____, _____, 630, 620, _____

Count backward by 10. Start at 532.

532, 522, 512, _____, _____, 482, _____, _____,

Count by 100. Start at 240.

240, 340, _____, _____, 640, _____, _____

Count by 100. Start at 110.

110, _____, _____, 410, _____, _____, _____

Count backward by 100. Start at 950.

950, _____, _____, _____, _____, 450, _____

Count backward by 100. Start at 826.

826, _____, _____, 526, _____, _____, 226

NAME _____

Lesson 5.6 Comparing Numbers

503 > 362 Compare hundreds. 5 is greater than 3. 503 is greater than 362.

739 < 761 If hundreds are the same, compare tens. 3 is less than 6. 739 is less than 761.

801 < 803 If hundreds and tens are the same, compare ones. 1 is less than 3. 801 is less than 803.

Compare 3-digit numbers. Use > (greater than), < (less than), or = (equal to).

831 < 843	436 ☐ 379	902 ☐ 911
567 ☐ 564	306 ☐ 401	535 ☐ 535
219 ☐ 198	739 ☐ 730	630 ☐ 820
127 ☐ 119	407 ☐ 610	923 ☐ 925
354 ☐ 453	802 ☐ 792	236 ☐ 401
504 ☐ 504	402 ☐ 408	123 ☐ 118
367 ☐ 562	760 ☐ 740	654 ☐ 736
981 ☐ 901	391 ☐ 491	835 ☐ 830

NAME _____

Lesson 5.6 Comparing Numbers

Compare 3-digit numbers. Use > (greater than), < (less than), or = (equal to).

122 ☐ 245	903 ☐ 500	418 ☐ 806
856 ☐ 424	806 ☐ 751	980 ☐ 361
744 ☐ 121	168 ☐ 388	959 ☐ 767
676 ☐ 806	371 ☐ 638	492 ☐ 746
861 ☐ 445	775 ☐ 134	393 ☐ 296
433 ☐ 816	189 ☐ 189	101 ☐ 788
689 ☐ 341	365 ☐ 815	483 ☐ 504
770 ☐ 310	379 ☐ 462	403 ☐ 404
510 ☐ 510	506 ☐ 736	311 ☐ 482
646 ☐ 740	673 ☐ 355	180 ☐ 483
148 ☐ 569	823 ☐ 511	568 ☐ 568
639 ☐ 660	938 ☐ 302	764 ☐ 741

NAME _____

Lesson 5.7 Subtracting 2 Digits from 3 Digits

	Subtract the ones.	To subtract the tens, rename the 1 hundred and 2 tens as 12 tens.	Subtract the tens.	
125	125	12	12	minuend
− 84	− 84	1 2 5	1 2 5	subtrahend
		− 84	− 84	
	1	1	41	difference

Subtract.

173 − 33 = 140	121 − 60	195 − 44	122 − 11	147 − 53
143 − 62	180 − 70	119 − 15	123 − 12	186 − 65
154 − 13	127 − 83	187 − 67	135 − 42	115 − 24
132 − 51	177 − 43	192 − 71	186 − 92	134 − 72
129 − 86	176 − 75	120 − 40	194 − 53	189 − 62
165 − 51	167 − 45	150 − 30	157 − 63	149 − 61

NAME _____

Lesson 5.7 Subtracting 2 Digits from 3 Digits

	Rename 5 tens and 3 ones as 4 tens and 13 ones.	Subtract the ones. ↓	Rename 1 hundred and 4 tens as 14 tens.	Subtract the tens. ↓	
153	4 13 1 5 3	4 13 1 5 3	14 13 1 5 3	14 13 1 5 3	minuend
− 65	− 65	− 65	− 65	− 65	subtrahend
		8	8	88	difference

Subtract.

162 − 73 89	175 − 97	182 − 94	103 − 17	116 − 39
174 − 95	147 − 68	132 − 65	115 − 49	107 − 39
101 − 75	100 − 92	127 − 79	133 − 44	142 − 73
141 − 63	137 − 79	142 − 73	153 − 67	155 − 96
100 − 72	106 − 48	117 − 88	124 − 66	163 − 89
172 − 87	161 − 92	145 − 66	132 − 57	130 − 43

NAME _____

Lesson 5.7 Subtracting 2 Digits from 3 Digits

Subtract.

132 − 71	196 − 87	165 − 59	163 − 71	119 − 29
106 − 51	100 − 29	153 − 69	147 − 88	192 − 75
175 − 95	169 − 99	142 − 37	140 − 93	131 − 57
167 − 76	173 − 82	192 − 95	143 − 77	126 − 54
117 − 26	100 − 33	175 − 46	142 − 57	136 − 47
176 − 89	143 − 54	140 − 39	173 − 75	163 − 92

NAME _____

Lesson 5.7 Subtracting 2 Digits from 3 Digits

Subtract.

144 − 86	122 − 31	191 − 75	175 − 93	144 − 65
121 − 37	106 − 42	165 − 43	162 − 47	181 − 57
106 − 99	127 − 49	136 − 58	124 − 75	143 − 52
685 − 96	444 − 67	612 − 22	786 − 19	950 − 99
865 − 92	710 − 7	475 − 89	627 − 10	751 − 93
509 − 75	696 − 5	815 − 25	545 − 57	115 − 72

NAME _____

Lesson 5.8 Adding 3-Digit Numbers

	Add the ones.	Add the tens.	Add the hundreds.
755 +469	1 755 +469 4	11 755 +469 24	11 755 + 469 1224

Add.

123 +562 685	982 +171	342 +591	782 +341	123 +321
862 +313	900 +130	720 +850	931 +111	823 +457
861 +421	862 +139	431 +250	782 +191	751 +605
791 +191	144 +800	192 +175	257 +147	203 +211
705 +719	641 +209	873 +505	700 +650	105 +341
593 +741	861 +209	735 +145	820 +431	738 +387

NAME _____

Lesson 5.9 Subtracting 3-Digit Numbers

Rename 2 tens and 1 one as 1 ten and 11 ones. Then, subtract the ones.

Rename 6 hundreds and 1 ten as 5 hundreds and 11 tens. Then, subtract the tens.

Subtract the hundreds.

621	6 2 1	5 11	5 11	minuend
−259	−2 5 9	−2 5 9	−2 5 9	subtrahend
	2	6 2	3 6 2	difference

Subtract.

321	745	639	830	626
−109	−152	−150	−710	−146
212				
729	657	386	411	486
−321	−451	−107	−305	−109
983	971	876	549	721
−652	−572	−357	−360	−144
256	347	725	863	980
−142	−139	−196	−692	−532
543	762	132	921	631
−457	−135	−107	−571	−545
531	720	582	793	612
−250	−371	−357	−457	−483

NAME _____

Lesson 5.10 Checking Addition with Subtraction

To check
215 + 109 = 324,
subtract 109 from 324.

$$\begin{array}{r} 215 \\ +109 \\ \hline 324 \\ -109 \\ \hline 215 \end{array}$$

These should be the same.

Add. Check each answer.

$\begin{array}{r} 157 \\ +212 \\ \hline \end{array}$	$\begin{array}{r} 719 \\ +182 \\ \hline \end{array}$	$\begin{array}{r} 312 \\ +105 \\ \hline \end{array}$	$\begin{array}{r} 213 \\ +519 \\ \hline \end{array}$	$\begin{array}{r} 306 \\ +215 \\ \hline \end{array}$
$\begin{array}{r} 369 \\ -212 \\ \hline 157 \end{array}$				
$\begin{array}{r} 710 \\ +398 \\ \hline \end{array}$	$\begin{array}{r} 357 \\ +249 \\ \hline \end{array}$	$\begin{array}{r} 712 \\ +363 \\ \hline \end{array}$	$\begin{array}{r} 714 \\ +291 \\ \hline \end{array}$	$\begin{array}{r} 312 \\ +\ 85 \\ \hline \end{array}$
$\begin{array}{r} 300 \\ +547 \\ \hline \end{array}$	$\begin{array}{r} 591 \\ +120 \\ \hline \end{array}$	$\begin{array}{r} 612 \\ +319 \\ \hline \end{array}$	$\begin{array}{r} 425 \\ +125 \\ \hline \end{array}$	$\begin{array}{r} 411 \\ +120 \\ \hline \end{array}$
$\begin{array}{r} 863 \\ +192 \\ \hline \end{array}$	$\begin{array}{r} 459 \\ +130 \\ \hline \end{array}$	$\begin{array}{r} 603 \\ +209 \\ \hline \end{array}$	$\begin{array}{r} 711 \\ +191 \\ \hline \end{array}$	$\begin{array}{r} 252 \\ +130 \\ \hline \end{array}$

NAME _____

Lesson 5.11 Checking Subtraction with Addition

To check
982 − 657 = 325,
add 657 to 325.

$$\begin{array}{r} 982 \\ -657 \\ \hline 325 \\ +657 \\ \hline 982 \end{array}$$

These should be the same.

Subtract. Check each answer.

$\begin{array}{r} 720 \\ -150 \\ \hline \end{array}$	$\begin{array}{r} 321 \\ -\ 83 \\ \hline \end{array}$	$\begin{array}{r} 125 \\ -\ 92 \\ \hline \end{array}$	$\begin{array}{r} 983 \\ -657 \\ \hline \end{array}$	$\begin{array}{r} 456 \\ -291 \\ \hline \end{array}$
$\begin{array}{r} 570 \\ +150 \\ \hline 720 \end{array}$				
$\begin{array}{r} 300 \\ -179 \\ \hline \end{array}$	$\begin{array}{r} 119 \\ -104 \\ \hline \end{array}$	$\begin{array}{r} 423 \\ -197 \\ \hline \end{array}$	$\begin{array}{r} 259 \\ -147 \\ \hline \end{array}$	$\begin{array}{r} 592 \\ -463 \\ \hline \end{array}$
$\begin{array}{r} 519 \\ -120 \\ \hline \end{array}$	$\begin{array}{r} 540 \\ -320 \\ \hline \end{array}$	$\begin{array}{r} 192 \\ -\ 86 \\ \hline \end{array}$	$\begin{array}{r} 710 \\ -447 \\ \hline \end{array}$	$\begin{array}{r} 683 \\ -419 \\ \hline \end{array}$
$\begin{array}{r} 719 \\ -532 \\ \hline \end{array}$	$\begin{array}{r} 919 \\ -457 \\ \hline \end{array}$	$\begin{array}{r} 687 \\ -250 \\ \hline \end{array}$	$\begin{array}{r} 912 \\ -609 \\ \hline \end{array}$	$\begin{array}{r} 542 \\ -327 \\ \hline \end{array}$

NAME _____

Lesson 5.12 Addition and Subtraction Practice

Add or subtract.

39 +92	86 +93	132 − 41	186 − 92	543 −121
76 +192	154 − 92	543 −206	150 − 90	650 +129
137 +310	159 − 82	185 − 96	432 −257	710 −512
541 +862	432 −119	720 +140	186 −107	540 − 75
812 + 93	712 −347	690 −320	451 −253	512 −308
119 +104	703 +219	861 −172	186 +210	513 −211

NAME _____

Lesson 5.12 Addition and Subtraction Practice

Add or subtract.

120 − 45	198 − 79	312 −192	519 +130	710 +195
412 −306	790 −205	157 +192	175 − 84	192 +210
510 +834	674 −556	700 −310	120 +460	690 −541
898 −844	412 −340	775 −436	173 +171	100 +761
962 −841	367 +549	829 −394	559 +129	796 −318
710 −696	320 +190	971 −320	291 +390	220 +557

NAME _____

Lesson 5.12 Addition and Subtraction Practice

Add or subtract.

72 +59	76 +82	138 − 52	192 − 75	310 +354
191 +210	583 −421	710 −190	54 +86	93 +104
582 +529	711 −547	712 − 92	860 +139	786 −457
186 +211	210 −102	96 +87	310 + 99	386 +503
232 −144	457 −310	386 +205	740 −310	862 −456
392 − 86	510 − 47	610 −232	192 − 86	191 +212

NAME _____

Check What You Learned

SHOW YOUR WORK

Working with 3-Digit Numbers

Count by 5.

100, 105, _____, _____, 120, _____, _____, 135

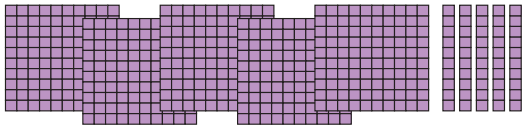
Count by 10.

650, _____, 670, _____, _____, 700, _____, 720

Count by 100.

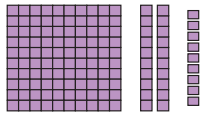
375, _____, 575, _____, _____, _____, 975

Write the number and its expanded form or number name.



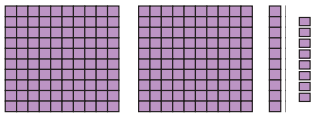
_____

____ + ____ + ____ = ____



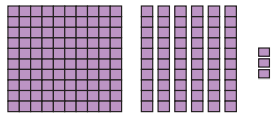
_____

____ + ____ + ____ = ____



_____

_____



_____

_____

Compare numbers. Use <, >, or =.

410	☐	501	653	☐	672	946	☐	942
378	☐	350	741	☐	561	143	☐	206

NAME _____

Check What You Learned

Working with 3-Digit Numbers

CHAPTER 5 POSTTEST

Add.

75 +92	135 +210	193 + 56	310 + 92	513 +409	746 +122
193 + 86	183 +192	842 +908	109 +236	963 +310	150 +210
512 +457	310 + 97	510 +346	910 +132	512 +403	912 + 78

Subtract.

172 − 35	192 − 86	174 − 96	120 − 80	310 − 40	293 −107
986 −698	862 −245	352 −121	187 − 72	647 −253	547 −183
662 −503	708 −231	456 −269	882 −199	753 −268	712 −543

NAME _____

Check What You Know

Measurement

Estimate the length of each object. Then, use a ruler to measure each object in inches and centimeters.

Estimate: _____ in. _____ cm

Actual: _____ in. _____ cm

Estimate: _____ in. _____ cm

Actual: _____ in. _____ cm

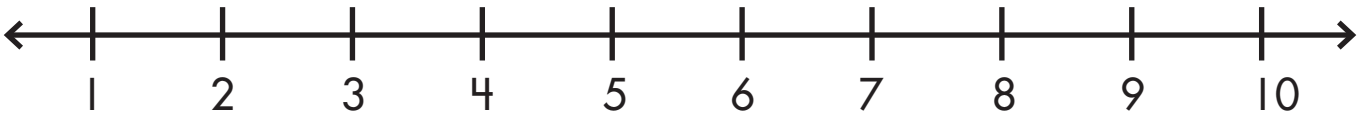
Which object is longer? pencil paper clip

Is the pencil made up of more centimeters or inches? _____

Which is longer—a centimeter or an inch? _____

Create a line plot based on the measurements below.

3 in., 2 in., 3 in., 5 in., 5 in., 3 in., 7 in., 1 in., 4 in., 9 in., 7 in., 10 in.



Write the time shown.

_____ : _____

_____ o'clock

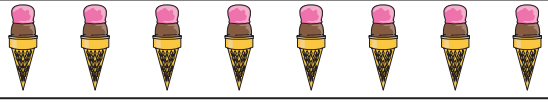
_____ : _____

NAME _____

Check What You Know

Measurement

Favorite Ice Cream Flavors

Vanilla	
Chocolate	
Cookie Dough	

 = 1 person

Which flavor did the most people pick? _____

How many people chose chocolate? _____

How many people chose either vanilla or chocolate? _____

Use the number line to add or subtract.

50 + 25 = ____

93 − 33 = ____

NAME _____

Check What You Know

Measurement

Solve each problem.

Krystal's jump rope measures 98 inches.
Zack's jump rope measures 95 inches.
How much longer is Krystal's jump rope than Zack's? _____

Amber has 1 nickel.
Justin has 7 pennies.
How much money do they have altogether? _____

Britney gets a haircut and has 5 inches cut off.
Delaney gets a haircut and has 7 inches cut off.
How much total hair did the girls have cut off? _____

Charlotte had $4.05.
She gave Abbie $2.00.
How much money does Charlotte have left? _____

Anton is 60 inches tall.
Abigail is 51 inches tall.
How many inches taller is Anton than Abigail? _____

NAME _____

Lesson 6.1 Telling Time to the Hour

4 o'clock
4:00

Both clocks show 4 o'clock, or 4:00.

Write the time two ways.

7 o'clock
7:00

_____ o'clock
_____ : _____

_____ o'clock
_____ : _____

_____ o'clock
_____ : _____

_____ o'clock
_____ : _____

_____ o'clock
_____ : _____

_____ o'clock
_____ : _____

_____ o'clock
_____ : _____

_____ o'clock
_____ : _____

NAME _____

Lesson 6.2 Telling Time to the Half Hour

7 o'clock
7:00

half past 7
7:30

8 o'clock
8:00

Write the time two ways.

half past 4

4:30

half past _____

_____ : _____

half past _____

_____ : _____

half past _____

_____ : _____

half past _____

_____ : _____

half past _____

_____ : _____

half past _____

_____ : _____

half past _____

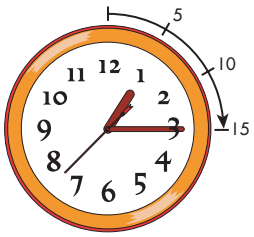
_____ : _____

half past _____

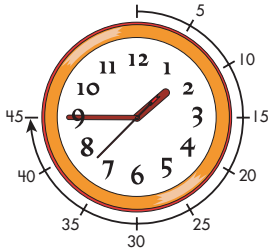
_____ : _____

NAME _____

Lesson 6.3 Telling Time to the Quarter Hour



1:15
one fifteen



1:45
one forty-five

Read the time on the first clock.
Write the same time on the second clock.

6:45

:

:

:

:

:

NAME _____

Lesson 6.3 Problem Solving

Solve each problem.

The small hand is between 3 and 4.

The large hand is on the 6.

The time is 3:30.

The small hand is between _____ and _____.

The large hand is on the _____.

The time is ___:___.

The small hand is on the _____.

The large hand is on the _____.

The time is ___:___.

The small hand is between _____ and _____.

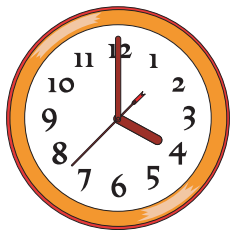
The large hand is on the _____.

The time is ___:___.

The small hand is on the _____.

The large hand is on the _____.

The time is ___:___.



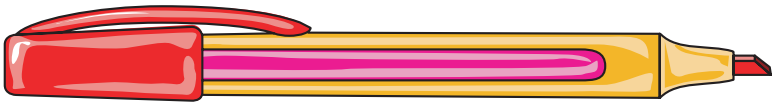
NAME _____

Lesson 6.4 Estimating Inches

Estimate how many inches long each object is.

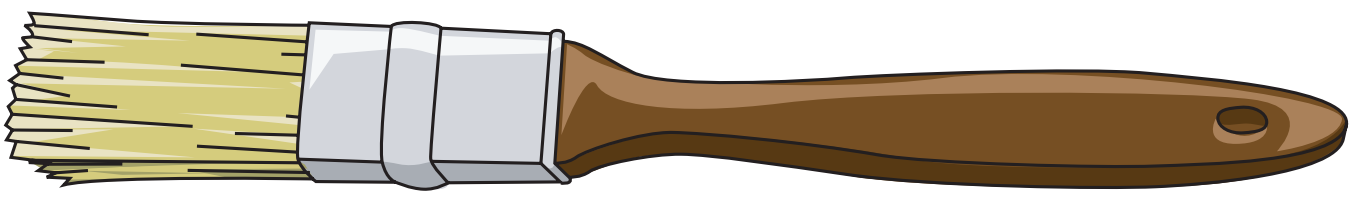
_____ inch

_____ inches

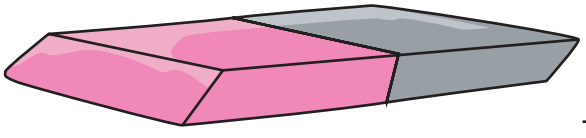


_____ inches

_____ inches



_____ inches

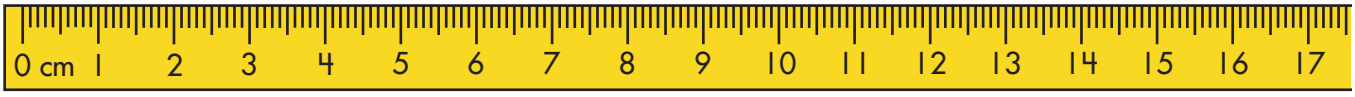


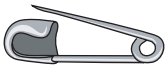
_____ inches

NAME _____

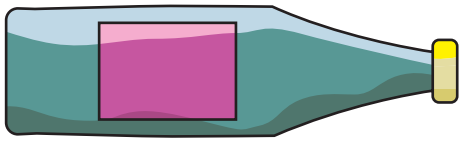
Lesson 6.5 Estimating Centimeters

Estimate how many centimeters long each object is.

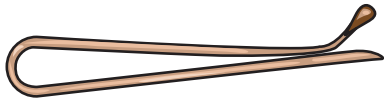




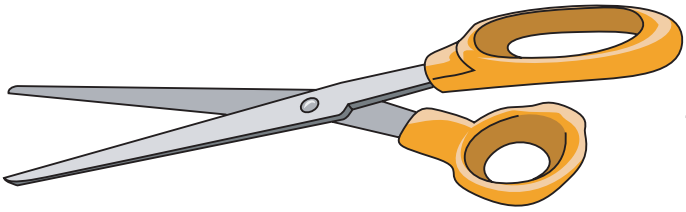
2 cm



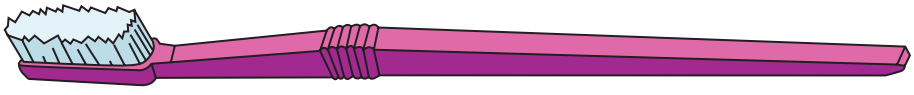
_____ cm



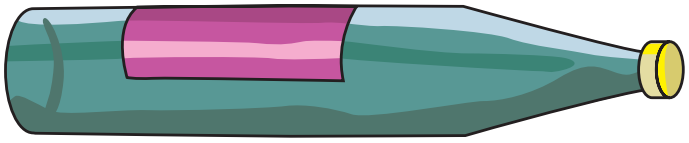
_____ cm



_____ cm



_____ cm

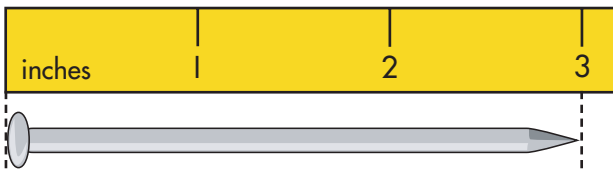


_____ cm

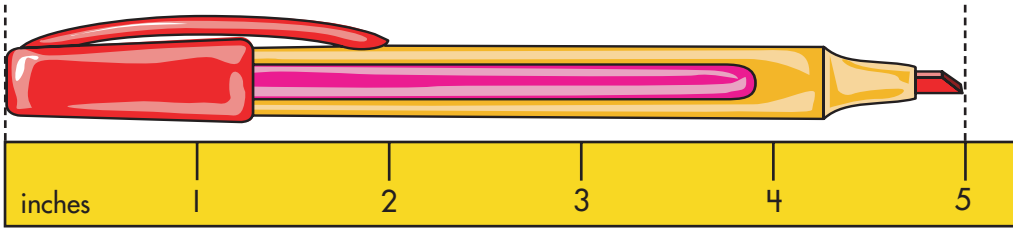
NAME _____

Lesson 6.6 Measuring Length in Inches

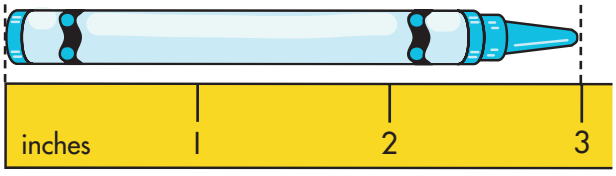
Write the length of each object in inches.



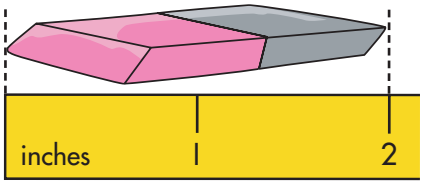
3 inches



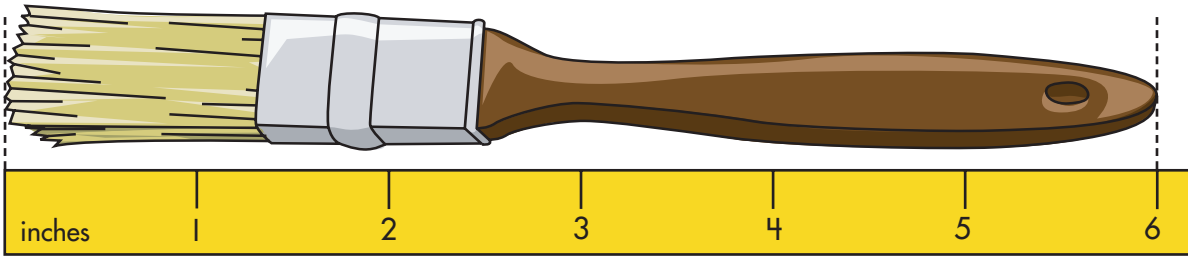
_____ inches



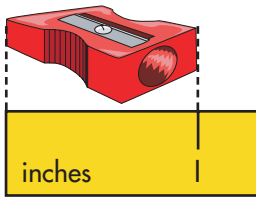
_____ inches



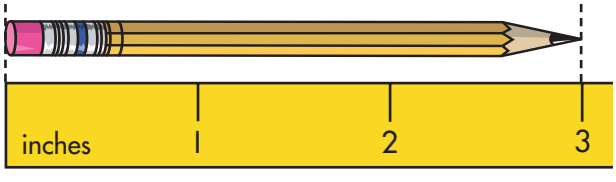
_____ inches



_____ inches



_____ inch



_____ inches

NAME _____

Lesson 6.7 Making a Line Plot

Answer the questions below using the previous page.

How many objects measured 1 inch? _____

How many objects measured 2 inches? _____

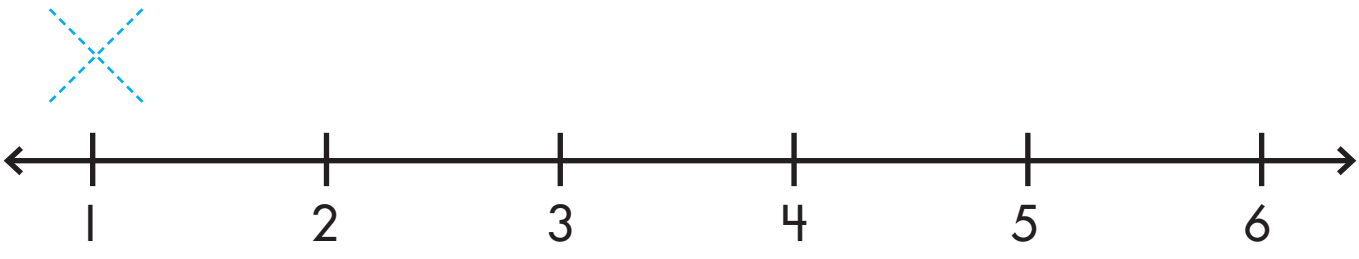
How many objects measured 3 inches? _____

How many objects measured 4 inches? _____

How many objects measured 5 inches? _____

How many objects measured 6 inches? _____

Make a line plot using the information above.

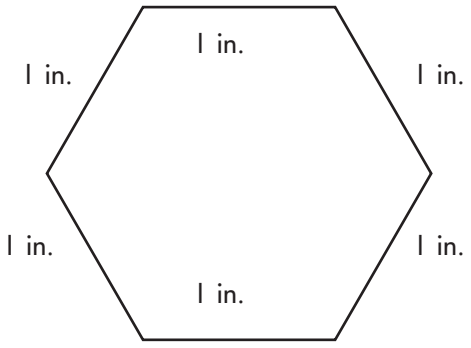


NAME _____

Lesson 6.8 Measuring Length in Inches

Perimeter is the length around an object.

The perimeter of this hexagon is 1 + 1 + 1 + 1 + 1 + 1 = 6 inches.



Use an inch ruler to measure length.

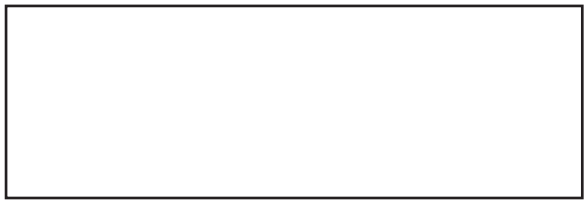
____ inch

____ inches

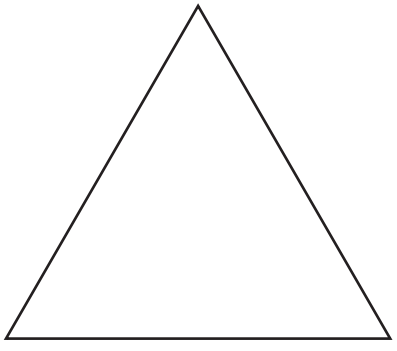
____ inches

____ inches

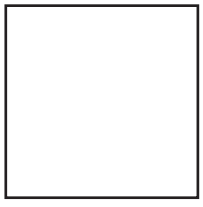
Measure the length of each side. Add the lengths of all sides to get the perimeter.



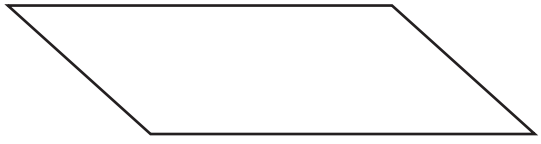
3 + 1 + 3 + 1 = 8 inches



___ + ___ + ___ = ___ inches



___ + ___ + ___ + ___ = ___ inches

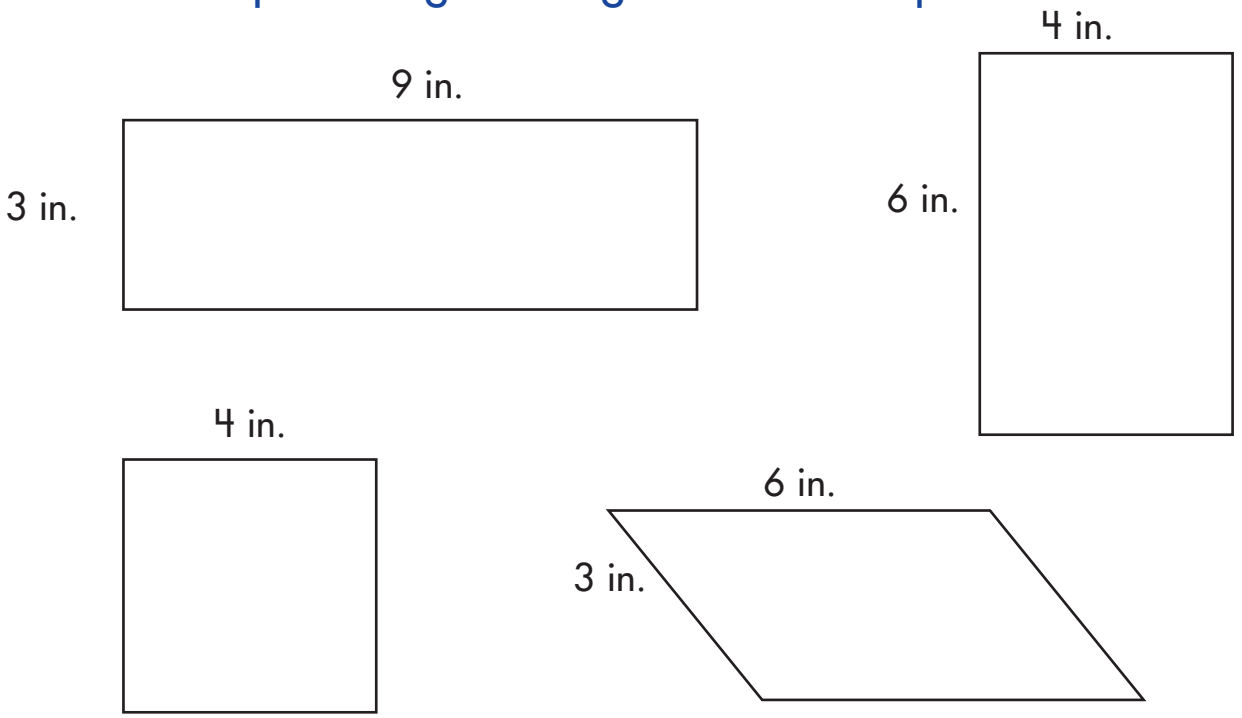


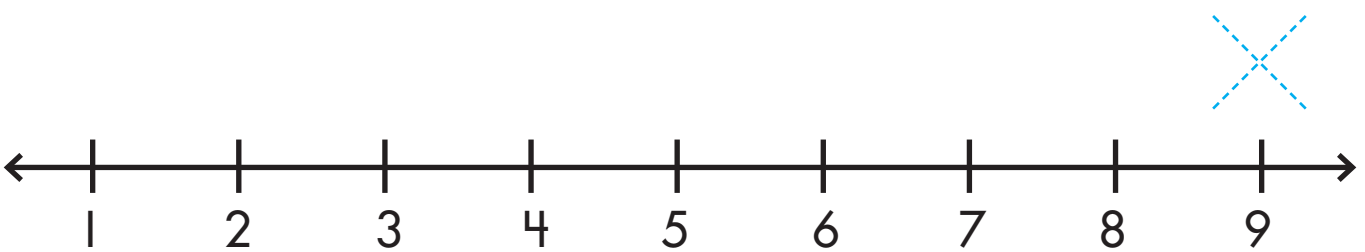
___ + ___ + ___ + ___ = ___ inches

NAME _____

Lesson 6.9 Making a Line Plot

Create a line plot using the length of each shape.

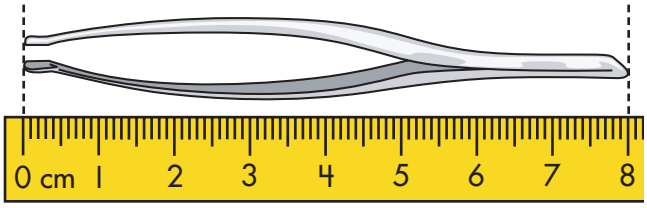




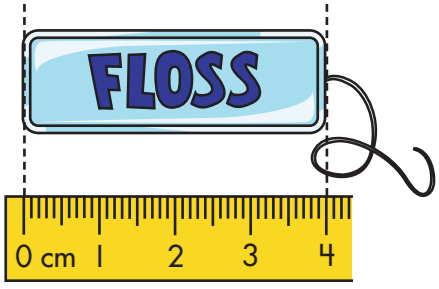
NAME _____

Lesson 6.10 Measuring Length in Centimeters

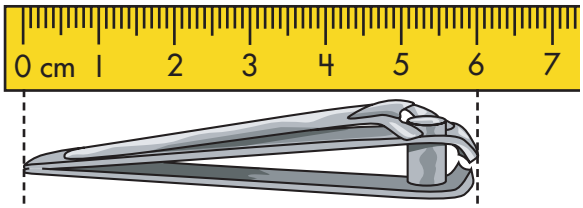
Write the length of each object in centimeters.



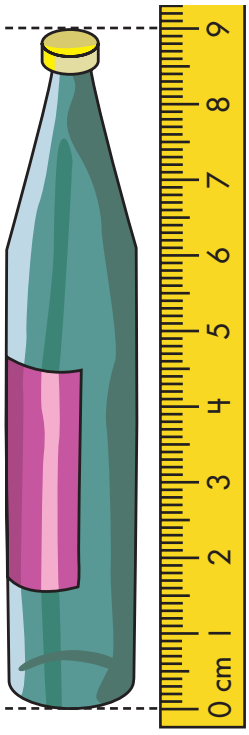
8 centimeters



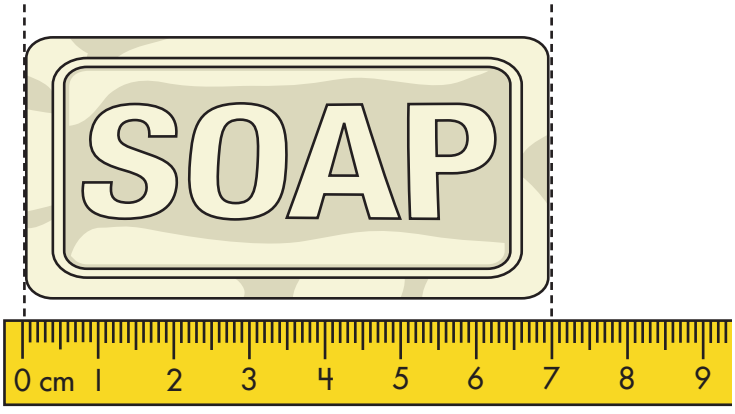
_____ centimeters



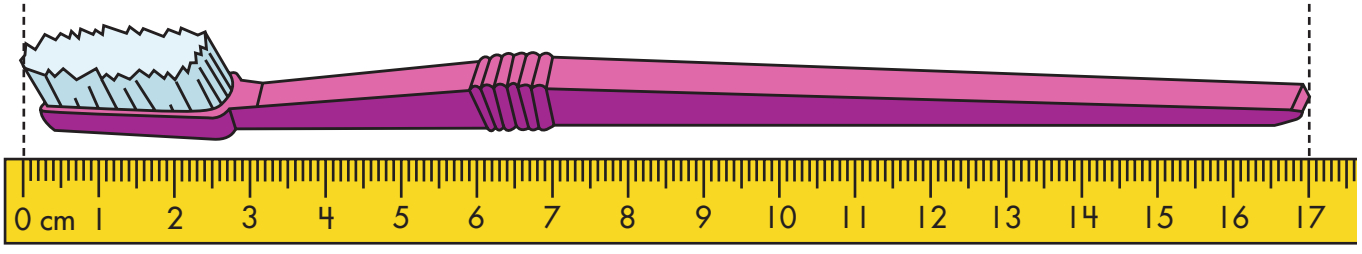
_____ centimeters



_____ centimeters



_____ centimeters



_____ centimeters

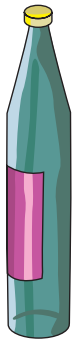
NAME _____

Lesson 6.11 Making a Line Plot

Create a line plot based on the measurements below.

7 centimeters

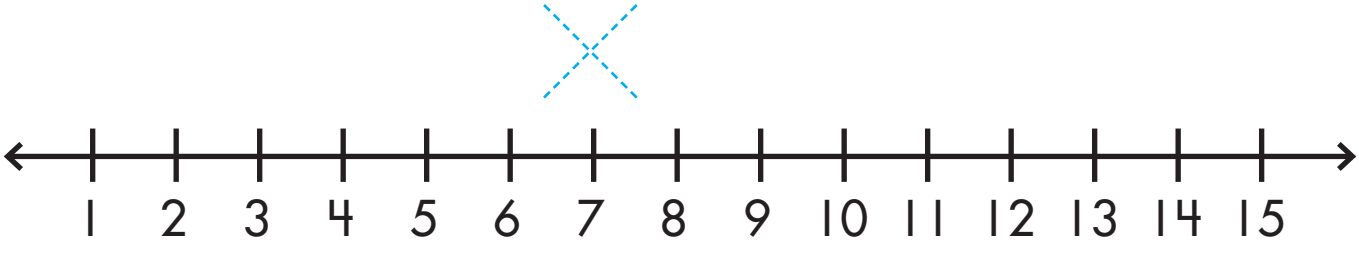
5 centimeters



12 centimeters

8 centimeters

14 centimeters



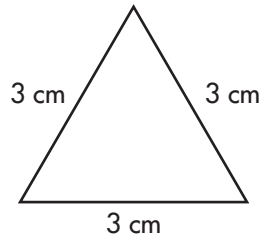
NAME _____

Lesson 6.12 Measuring Length in Centimeters

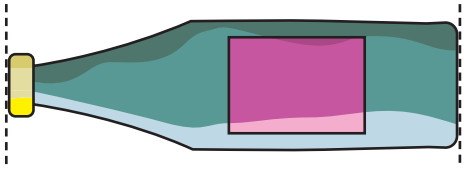
You can measure perimeter in centimeters.

The perimeter of this triangle is

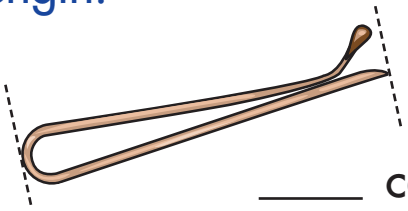
3 + 3 + 3 = 9 centimeters.



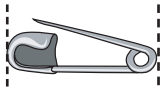
Use a centimeter ruler to measure length.



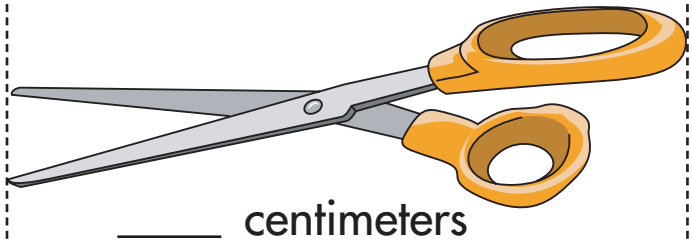
6 centimeters



_____ centimeters



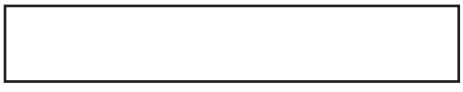
_____ centimeters



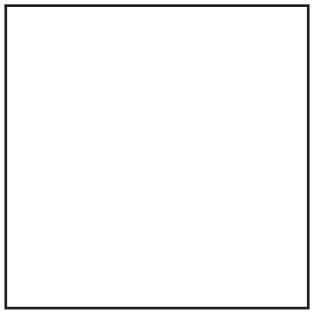
_____ centimeters

Measure perimeter. Add the lengths of all sides.

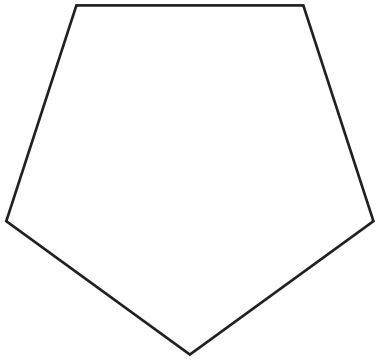
6 + 2 + 6 + 2 = 16 cm



___ + ___ + ___ + ___ = ___ cm



___ + ___ + ___ + ___ = ___ cm

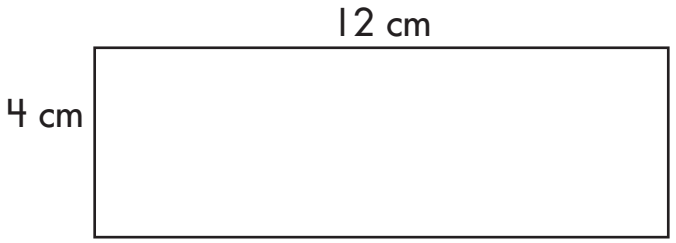


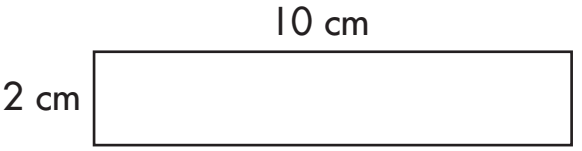
___ + ___ + ___ + ___ + ___ = ___ cm

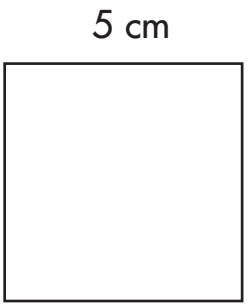
NAME _____

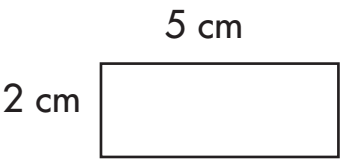
Lesson 6.13 Making a Line Plot

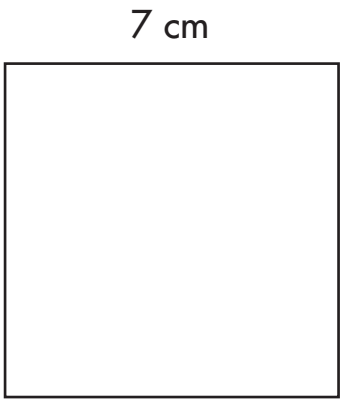
Create a line plot using the length of each shape.

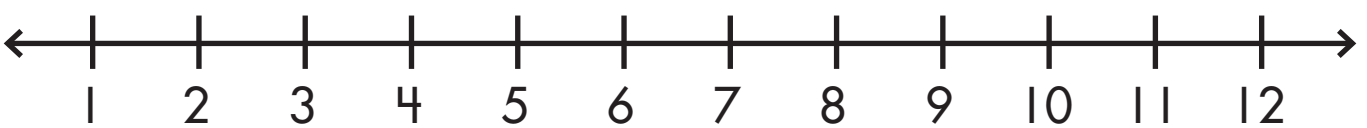








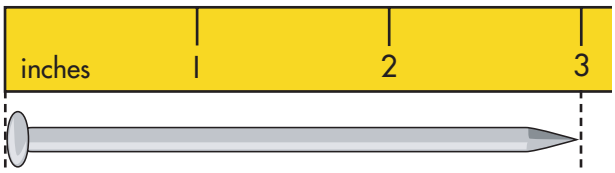


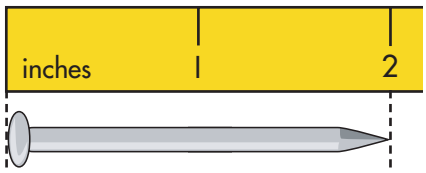


NAME _____

Lesson 6.14 How Much Longer?

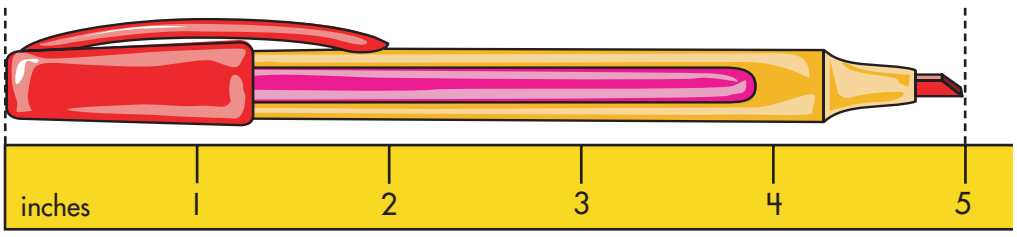
Measure each object. Tell how much longer one object is than the other.



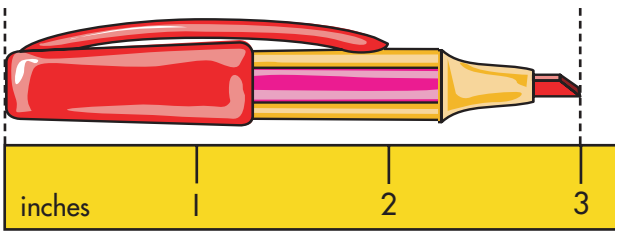


$$\begin{array}{r} 3 \\ -\,2 \\ \hline 1 \end{array}$$

3 inches — 2 inches — 1 inch longer

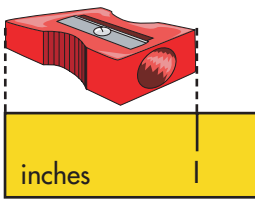


_____ inches

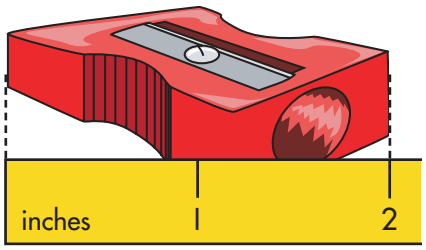


_____ inches

_____ inches longer

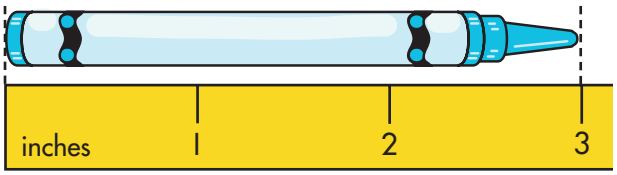


_____ inches



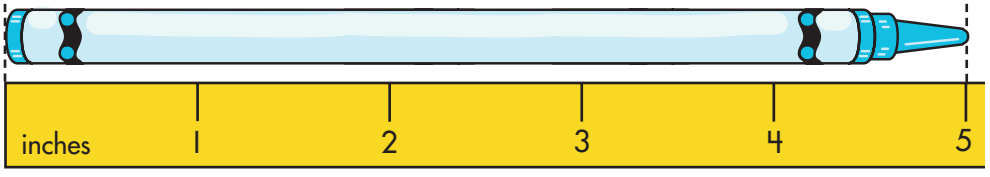
_____ inches

_____ inches longer



_____ inches

_____ inches longer

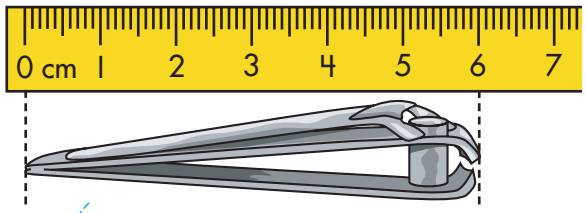


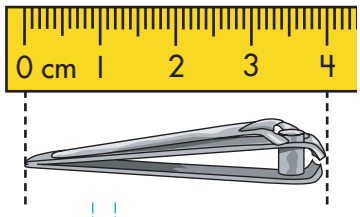
_____ inches

NAME _____

Lesson 6.15 How Much Longer?

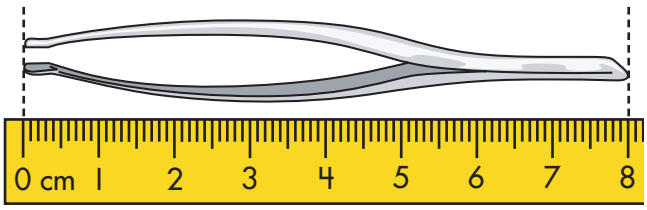
Measure each object. Tell how much longer one object is than the other.

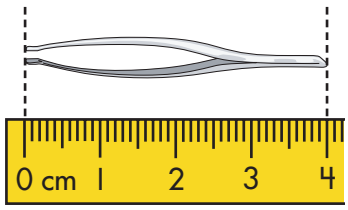




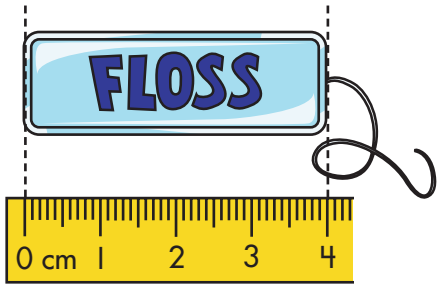
$$\begin{array}{r} 6 \\ -\,4 \\ \hline 2 \end{array}$$

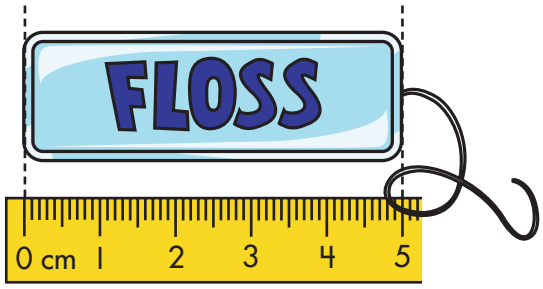
6 cm 4 cm 2 cm longer



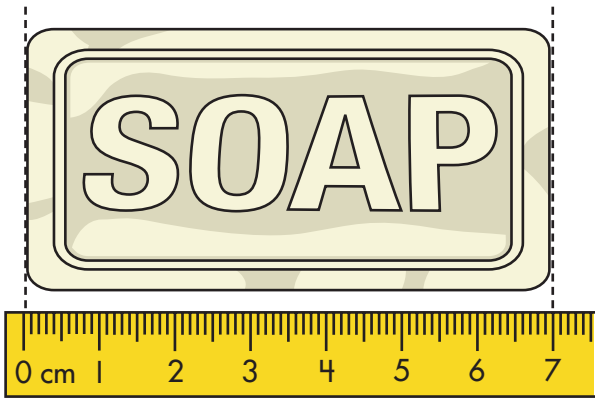


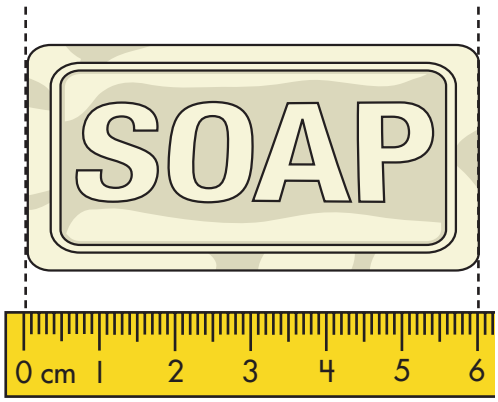
_____ cm _____ cm ___ cm longer





_____ cm _____ cm ___ cm longer



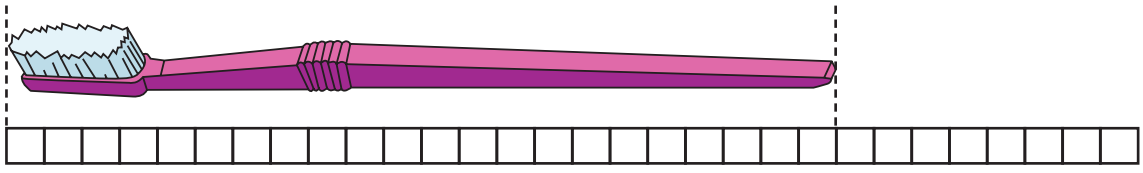


_____ cm _____ cm ___ cm longer

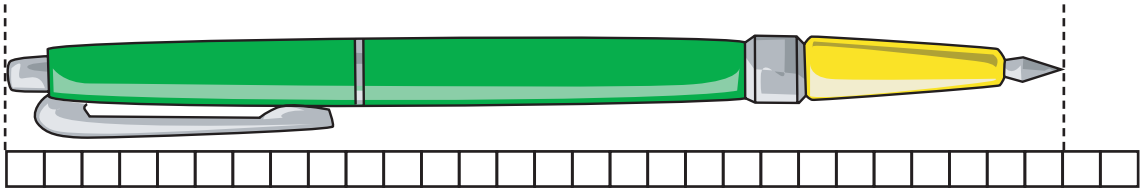
NAME _____

Lesson 6.16 Comparing Measurements

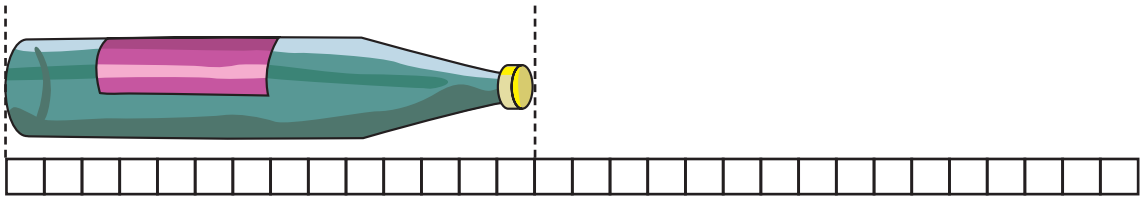
Use a ruler to measure each object in centimeters. Then, measure again using the line of squares.



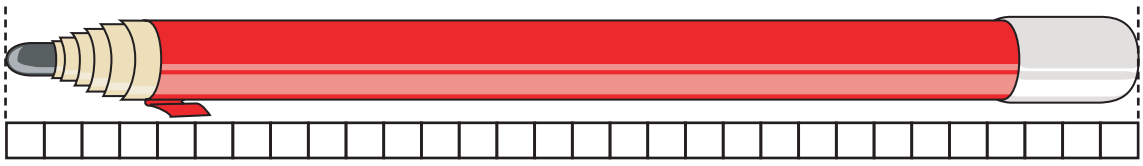
11 centimeters 22 squares



_____ centimeters _____ squares



_____ centimeters _____ squares



_____ centimeters _____ squares

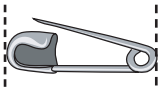
What do you notice about the measurements in centimeters compared to those in squares? _____

What explains this? _____

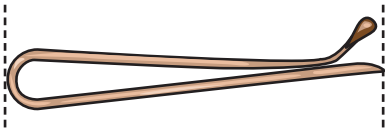
NAME _____

Lesson 6.16 Comparing Measurements

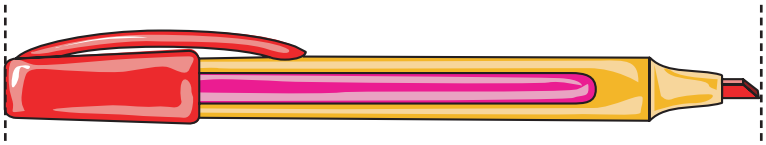
Use a ruler to measure each object in centimeters. Then, measure again to the nearest inch.



_____ centimeters about _____ inch

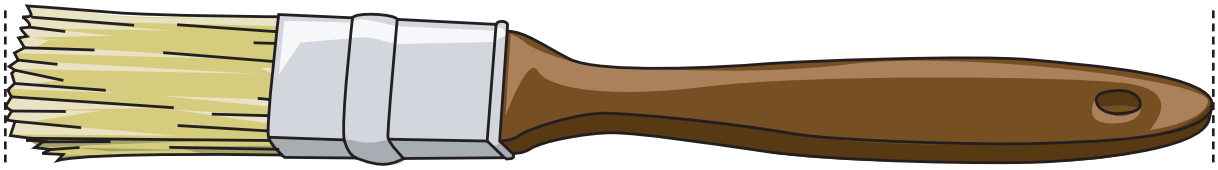


_____ centimeters about _____ inches



_____ centimeters about _____ inches

_____ centimeters about _____ inches



_____ centimeters about _____ inches

_____ centimeters about _____ inches

What do you notice about the measurements in centimeters compared to those in inches? _____

What explains this? _____

NAME _____

Lesson 6.17 Problem Solving

Solve each problem.

Ryan has 48 feet of ribbon.

Sierra has 21 feet of ribbon.

How many feet of ribbon do they have altogether? 69

$$\begin{array}{r} 48 \\ +\ 21 \\ \hline 69 \end{array}$$

Miranda has 11 inches of border for the bulletin board.

She needs 27 inches.

How much more border does Miranda need to finish the bulletin board? _____

A fisherman had 20 feet of fishing line.

His line got stuck, and he had to cut away 13 feet.

How many feet of fishing line does the fisherman have left? _____

Lindsey's necklace measured 17 inches.

Dominique's necklace measured 25 inches.

How much longer is Dominique's necklace than Lindsey's? _____

Alfonzo's belt is 55 inches long.

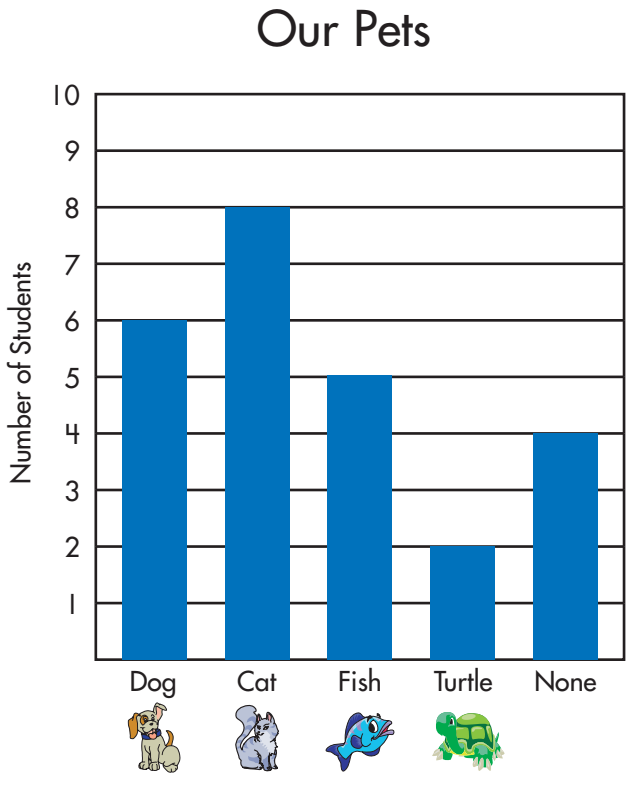
Joshua's belt is 70 inches long.

How much longer is Joshua's belt than Alfonzo's? _____

NAME _____

Lesson 6.18 Reading Picture and Bar Graphs

Keisha asked her classmates about their pets.
She made this bar graph to show the results.



Use the bar graph to answer the questions.

How many students have a dog or a cat? 14

How many students have no pets? _____

Which pet do the most students have? _____

How many students have either a fish or turtle? _____

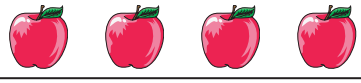
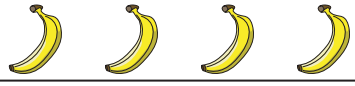
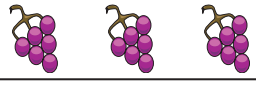
How many students did Keisha talk to? _____

NAME _____

Lesson 6.18 Reading Picture and Bar Graphs

Carlos polled his classmates about their favorite fruits. He made this picture graph with the results. One piece of fruit on the graph means one person.

Our Favorite Fruits

Apples	
Oranges	
Bananas	
Grapes	
Pears	

Use the picture graph to answer the questions.

How many classmates chose either bananas or oranges? 10

How many chose grapes or pears? _____

Which fruit did the most classmates choose? _____

How many classmates did not choose oranges? _____

How many more chose apples than chose grapes? _____

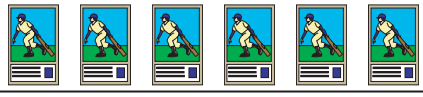
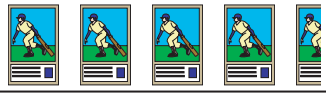
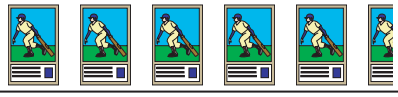
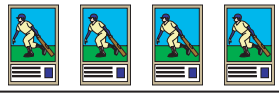
How many classmates told Carlos their favorite fruit? _____

NAME _____

Lesson 6.18 Reading Picture and Bar Graphs

Sam and his friends collect baseball cards. This picture graph shows how many cards they have.

Our Baseball Cards

Sam	
Tara	
Kono	
Trina	

 = 2 baseball cards

Use the picture graph to answer the questions.

How many cards do the friends have in all? 40

How many cards does Sam have? _____

Who has the fewest cards? _____

How many cards does Kono have? _____

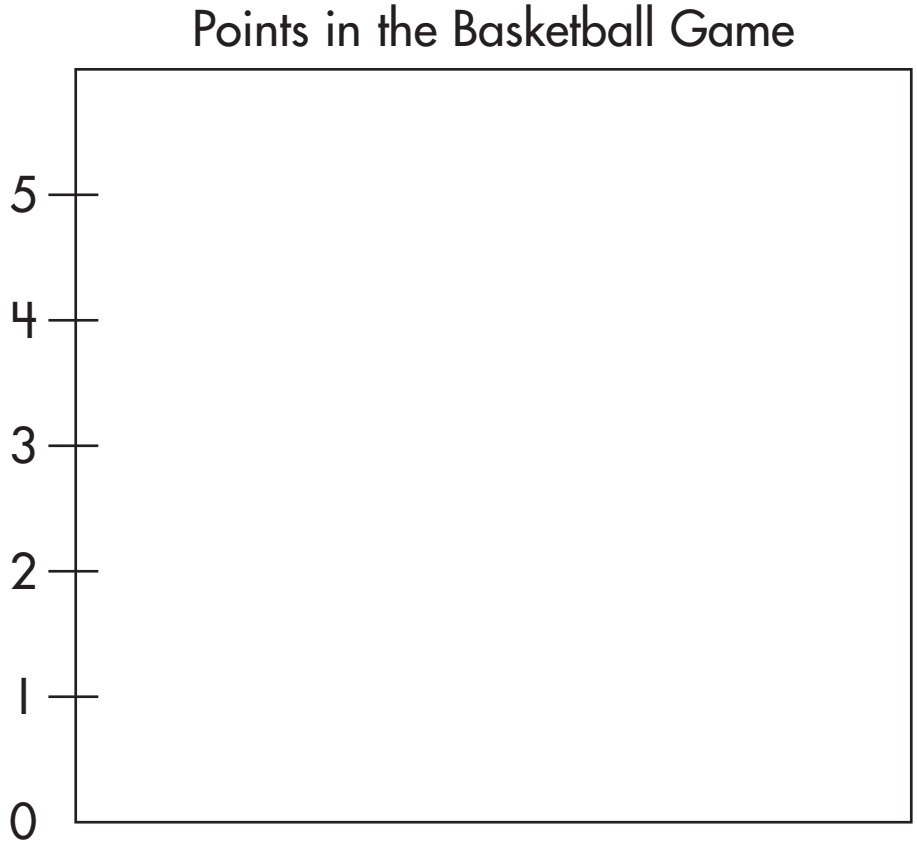
How many cards do Tara and Trina have together? _____

How many more cards do
Tara and Trina have together compared to Sam? _____

NAME _____

Lesson 6.19 Creating a Bar Graph

Use the information in the tally chart to complete the bar graph.



Points in the Basketball Game	
Cara	III
Evan	~~IIII~~
Dawn	IIII
Hugo	I

Use the bar graph to answer the questions.

Which student scored the most points? _____

Which student scored the least points? _____

How many points were scored altogether in the basketball game? _____

How many more points did Evan score than Hugo? _____

NAME _____

Lesson 6.20 Creating a Picture Graph

Use the information in the tally chart to complete the picture graph.

Shapes Around the Room	
Triangles	
Stars	
Squares	
Circles	

Shapes Around the Room	
▲	𝍸 II
★	𝍸 𝍸
■	𝍸 IIII
●	𝍸 I

Use the picture graph to answer the questions below.

What shape is seen the most around the room? _____

What shape is seen the least around the room? _____

How many more stars ★ are there than triangles ▲ ? _____

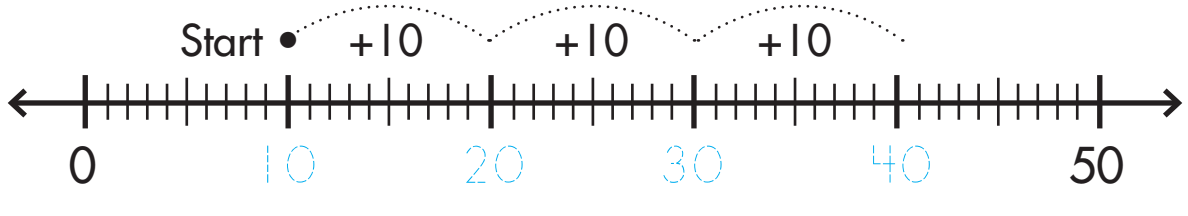
How many more squares ■ are there than circles ● ? _____

NAME _____

Lesson 6.21 Adding and Subtracting on a Number Line

Use the number line to add.

$$\begin{array}{r} 10 \\ +30 \\ \hline 40 \end{array}$$



Use each number line to add or subtract.

$$\begin{array}{r} 50 \\ -20 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ +13 \\ \hline \end{array}$$

NAME _____

Lesson 6.22 Problem Solving

Solve each problem.

10
10
+ 1
24

Logan had 2 dimes.

He found 4 pennies in the couch cushions.

How much money does Logan have now? 24¢

Amber has 1 nickel.

Justin has 7 pennies.

How much money do they have altogether? _____

Bonnie has 1 dime and 6 pennies.

How much money does she have? _____

Ben pulls 2 one-dollar bills, 1 quarter, 1 dime, 4 nickels, and 10 pennies from his piggy bank.

How much money does Ben have? _____

Casey's mother put a one-dollar bill, 2 quarters, 4 dimes, 1 nickel, and 5 pennies in an envelope for Casey to use at the book fair.

How much money did Casey's mother give Casey for the book fair? _____

NAME _____

Check What You Learned

Measurement

CHAPTER 6 POSTTEST

Estimate the length of each object. Then, use a ruler to measure each object in inches and centimeters.

Estimate: _____ in. _____ cm

Actual: _____ in. _____ cm

Estimate: _____ in. _____ cm

Actual: _____ in. _____ cm

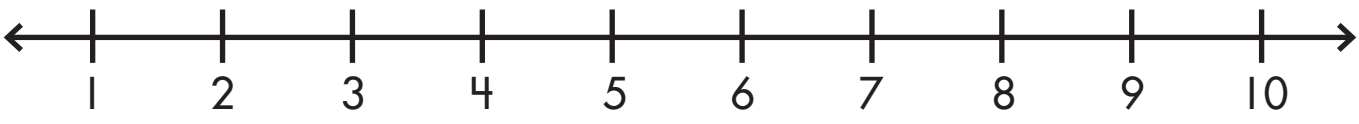
Which object is shorter? crayon paper clip

Is the crayon made up of more centimeters or inches? _____

Which is shorter—a centimeter or an inch? _____

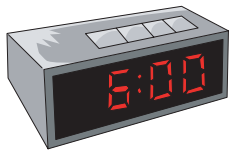
Create a line plot based on the measurements below.

1 in., 5 in., 1 in., 10 in., 4 in., 6 in., 6 in., 8 in., 1 in., 2 in., 10 in., 5 in.



Write the time shown.

_____ : _____



_____ o'clock

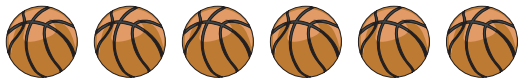
_____ : _____

NAME _____

Check What You Learned

Measurement

Favorite Sports

Baseball	
Football	
Basketball	
Soccer	

Use the picture graph to answer the questions. Each picture equals one person.

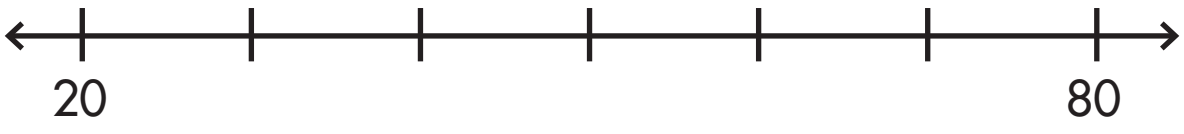
Which sport did most people choose? _____

Which sport did 7 people choose? _____

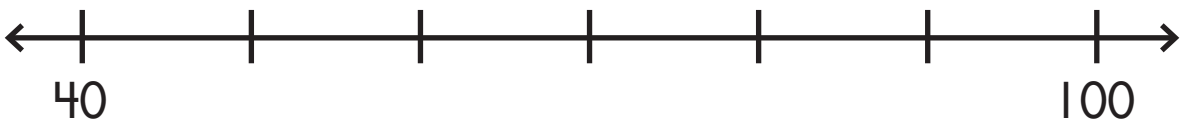
How many people chose football or basketball? _____

Use the number line to add or subtract.

$$\begin{array}{r} 25 \\ +\,50 \\ \hline \end{array}$$



$$\begin{array}{r} 95 \\ -\,35 \\ \hline \end{array}$$



NAME _____

Check What You Learned

Measurement

CHAPTER 6 POSTTEST

Solve each problem.

Jordan was selling frozen treats.
Blake gave Jordan 2 quarters and 2 nickels.
How much did Blake pay for the treat? _____

Matthew's dad is 70 inches tall.
Orlando's dad is 78 inches tall.
How much taller is Orlando's dad than Matthew's? _____

Megan has $4.00.
She earns $2.50 more.
How much money does Megan have now? _____

Erica has $0.55.
Later, she finds $0.25.
How much money does Erica have now? _____

Hannah's dog can jump 8 feet in the air.
Maricela's dog can jump 6 feet in the air.
How much higher can Hannah's dog jump than Maricela's? _____.

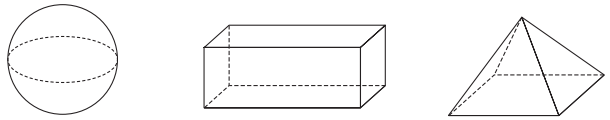
NAME _____

Check What You Know

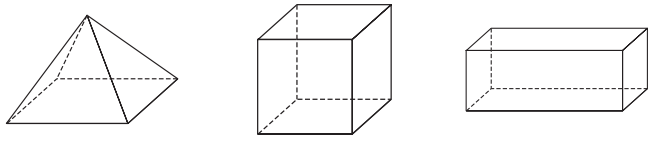
Geometry

Circle the shape named.

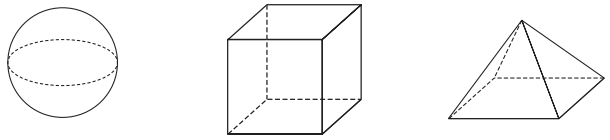
rectangular solid



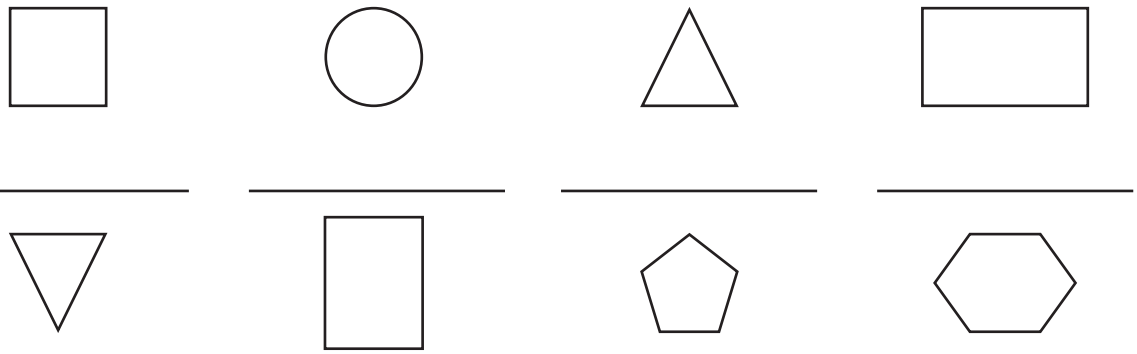
square pyramid



sphere



Name each shape.



_____ _____ _____ _____

_____ _____ _____ _____

Answer the questions.

Which shape has 4 equal sides? _____

Which shape has 4 triangular △

faces and 1 square □ face? _____

Which shape has 3 total angles? _____

NAME _____

Check What You Know

Geometry

Draw the solid shapes. Color them.

rectangular solid

square pyramid

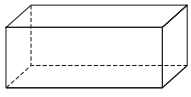
Draw the plane shapes. Color them.

triangle

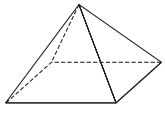
hexagon

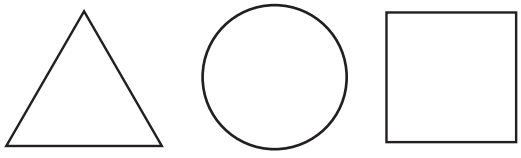
Circle the plane shapes that are faces on the solid shape.

rectangular solid

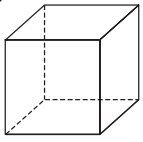


square pyramid



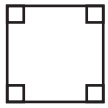


cube



NAME _____

Lesson 7.1 Plane Shapes



square

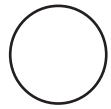
- 4 equal sides
- 4 right angles

rectangle

- 2 pairs of equal sides
- 4 right angles

triangle

- 3 sides
- 3 angles

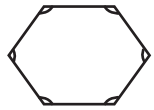


circle

- no sides
- no angles

pentagon

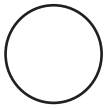
- 5 sides
- 5 angles



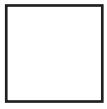
hexagon

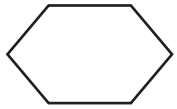
- 6 sides
- 6 angles

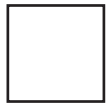
Name each shape.



circle







Answer the questions.

Which shape has 4 equal sides? _____

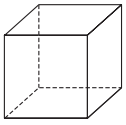
Which shape has 6 angles? _____

Which shape has no angles? _____

Which shape has 3 sides? _____

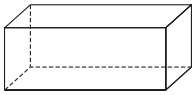
NAME _____

Lesson 7.2 Solid Shapes



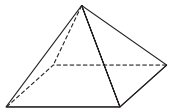
cube

- 6 square faces



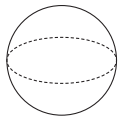
rectangular

- 6 rectangular faces



square pyramid

- 4 triangular faces
- 1 square face

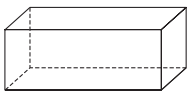
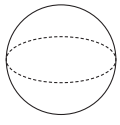
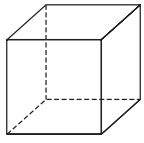


sphere

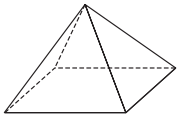
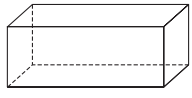
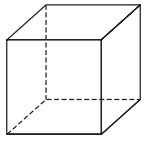
- no faces
- perfectly round

Circle the shape named.

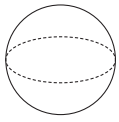
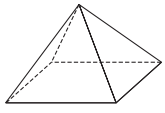
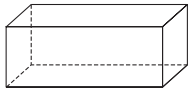
rectangular solid

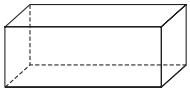
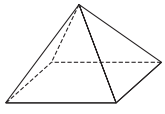
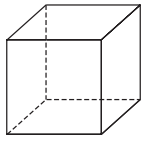
square pyramid

sphere

cube

Answer the questions about the shapes above.

Which shape has 4 triangular faces? _____

Which shape has 6 rectangular faces? _____

Which shape is like a 3-D circle? _____

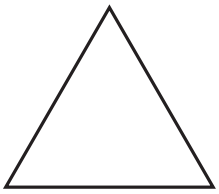
Which shape has 6 equal faces? _____

NAME _____

Lesson 7.3 Drawing Plane Shapes

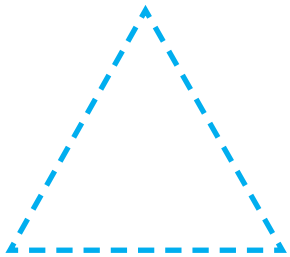
Draw plane shapes.

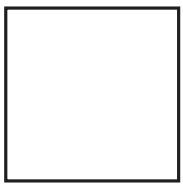
Look at the shape.



A triangle has 3 sides.

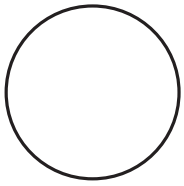
Draw your own shape. Color it.





A square has 4 equal sides.

A rectangle has 2 pairs of equal sides.



A circle is totally round.

NAME _____

Lesson 7.4 Drawing Solid Shapes

Answer the questions.

What two plane shapes make up a square pyramid?

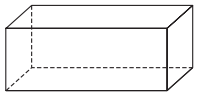
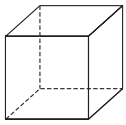
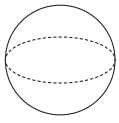
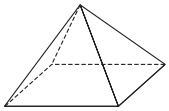
_____ _____

What plane shape is used to make a cube? _____

What two plane shapes can be part of a rectangular solid?

_____ _____

What plane shape is most like a sphere? _____

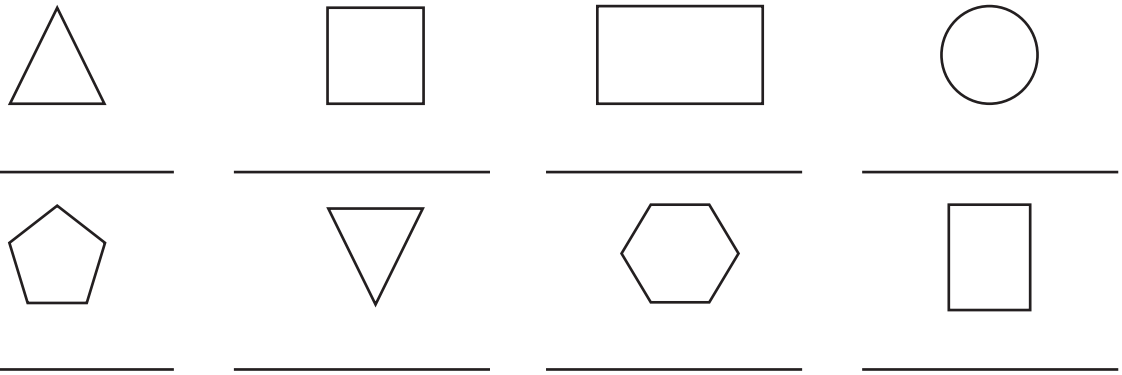
Look at the shape.	Draw your own shape. Color it.
 rectangular solid	
 cube	
 sphere	
 square pyramid	

NAME _____

Check What You Learned

Geometry

Name each shape.



_____ _____ _____ _____

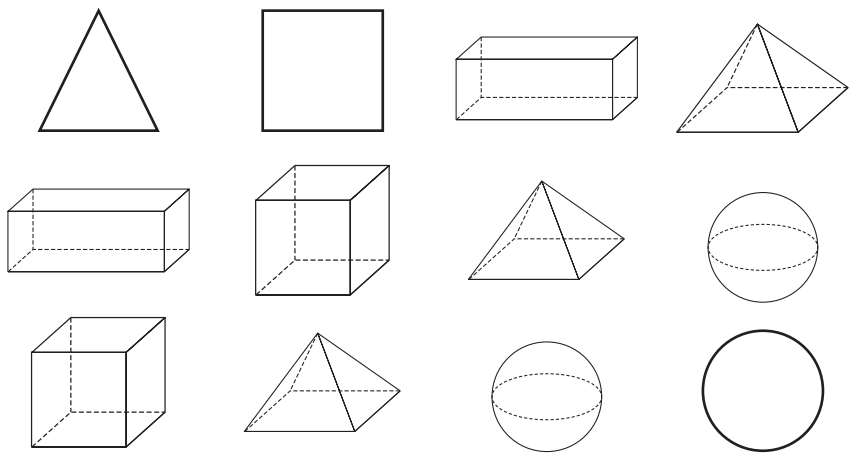
_____ _____ _____ _____

Circle the shape named.

square pyramid

cube

sphere



Answer the questions.

Which shape has 6 equal faces? _____

Which shape has 2 pairs of equal sides? _____

Which shape has 5 total angles? _____

Which shape is completely round and 3-D? _____

NAME _____

Check What You Learned

Geometry

CHAPTER 7 POSTTEST

Draw the plane shapes. Color them.

pentagon

rectangle

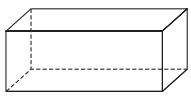
Draw the solid shapes. Color them.

square pyramid

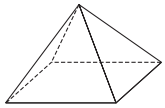
cube

Circle the plane shapes that are faces on the solid shape.

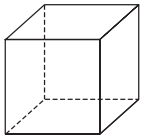
cube

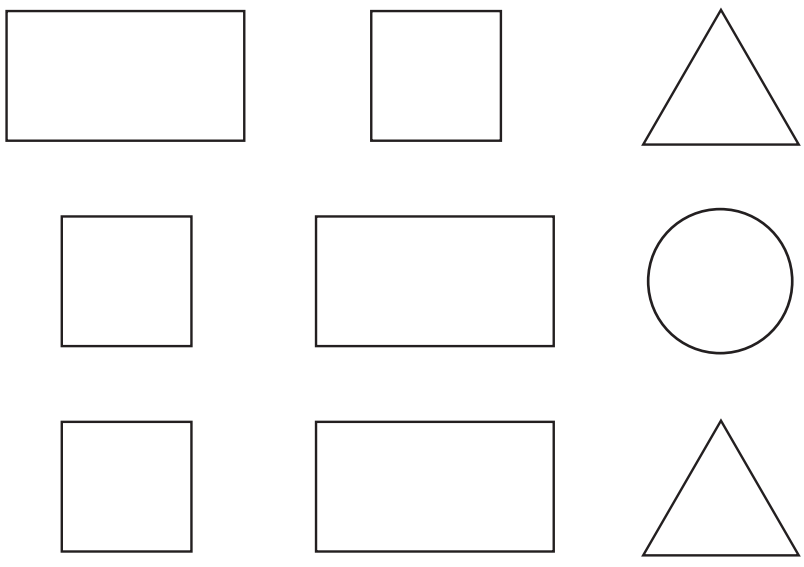


rectangular solid



square pyramid



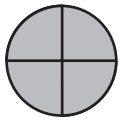


NAME _____

Check What You Know

Parts of a Whole

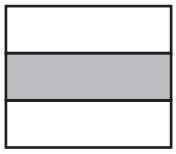
Complete.



There are _____ equal parts.

_____ of the parts are shaded.

_____ of the whole is shaded.



There are _____ equal parts.

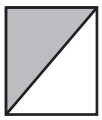
_____ of the parts is shaded.

_____ of the whole is shaded.

There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.



There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.

There are _____ equal parts.

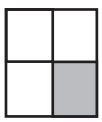
_____ of the parts are shaded.

_____ of the whole is shaded.

There are _____ equal parts.

_____ of the parts is shaded.

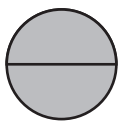
_____ of the whole is shaded.



There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.



There are _____ equal parts.

_____ of the parts are shaded.

_____ of the whole is shaded.

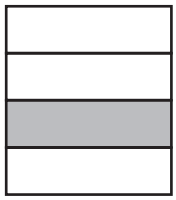
NAME _____

Check What You Know

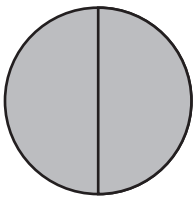
Parts of a Whole

Write the fraction shown. Use numbers. Then, use words.

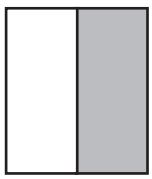
___ / ___



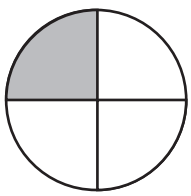
___ / ___



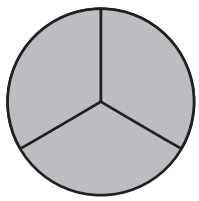
___ / ___



___ / ___

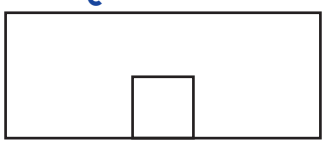


___ / ___

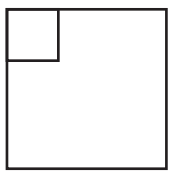


___ / ___

Draw same-size squares to fill each rectangle. Then, count the number of squares.



_____ equal squares



_____ equal squares

NAME _____

Lesson 8.1 Parts of Shapes

A shape can be broken into equal parts. These equal parts are called **fractions**.

A **half** is one of two equal parts.  Two halves make a whole.  .
The fraction **two-halves** means 2 out of 2 total parts, or $\frac{2}{2}$.

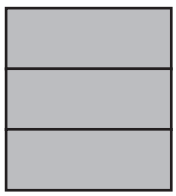
A **third** is one of three equal parts.  Three thirds make a whole. 

The fraction **three-thirds** means 3 out of 3 total parts, or $\frac{3}{3}$.

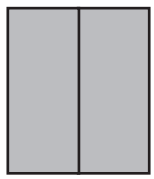
A **fourth** is one of four equal parts.  Four fourths make a whole. 

The fraction **four-fourths** means 4 out of 4 total parts, or $\frac{4}{4}$.

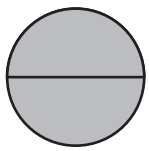
Write the fraction shown. Use numbers. Then, use words.



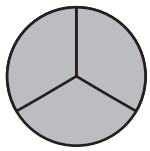
$\frac{3}{3}$, three–thirds



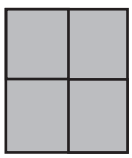
_____, _____



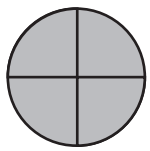
_____, _____



_____, _____



_____, _____

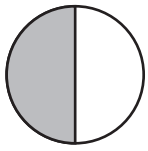


_____, _____

NAME _____

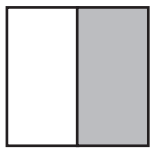
Lesson 8.2 One-Half

One-half of the whole is shaded.



$\frac{1}{2}$ = **1** out of **2** equal parts

One-half of the whole is shaded.



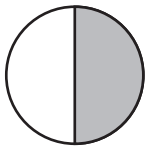
$\frac{1}{2}$ = **1** out of **2** equal parts

Complete.

There are 2 equal parts.

1 of the parts is shaded.

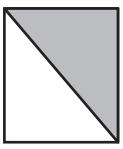
$\frac{1}{2}$ of the whole is shaded.



There are 2 equal parts.

1 of the parts is shaded.

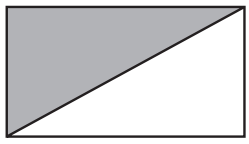
$\frac{1}{2}$ of the whole is shaded.



There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.

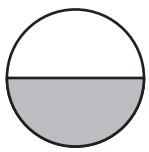


There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.

Write the fraction that is shaded in words.



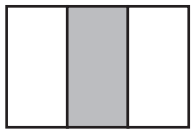
One-half is shaded.

_____ is shaded.

NAME _____

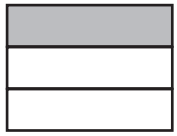
Lesson 8.3 One-Third

One-third of the whole is shaded.



$\frac{1}{3}$ = **1** out of **3** equal parts

One-third of the whole is shaded.



$\frac{1}{3}$ = **1** out of **3** equal parts

Complete.

There are 3 equal parts.

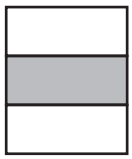
1 of the parts is shaded.

$\frac{1}{3}$ of the whole is shaded.

There are 3 equal parts.

1 of the parts is shaded.

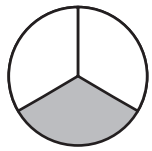
$\frac{1}{3}$ of the whole is shaded.



There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.

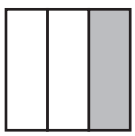


There are _____ equal parts.

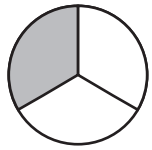
_____ of the parts is shaded.

_____ of the whole is shaded.

Write the fraction that is shaded in words.



One-third is shaded.

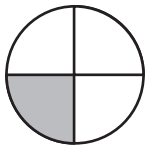


_____ is shaded.

NAME _____

Lesson 8.4 One-Fourth

One-fourth of the whole is shaded.



$\frac{1}{4}$ = **1** out of **4** equal parts

One-fourth of the whole is shaded.

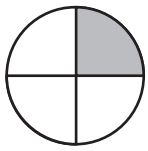
$\frac{1}{4}$ = **1** out of **4** equal parts

Complete.

There are 4 equal parts.

1 of the parts is shaded.

$\frac{1}{4}$ of the whole is shaded.



There are _____ equal parts.

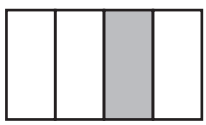
_____ of the parts is shaded.

_____ of the whole is shaded.

There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.



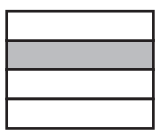
There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.

Write the fraction that is shaded in words.

One-fourth is shaded.

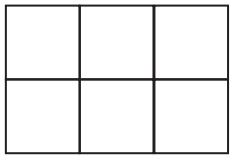


_____ is shaded.

NAME _____

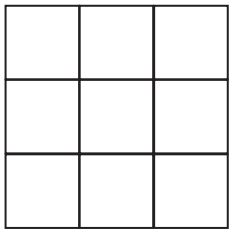
Lesson 8.5 Partitioning Rectangles

Rectangles can be divided up into same-size squares to show how much space they cover.

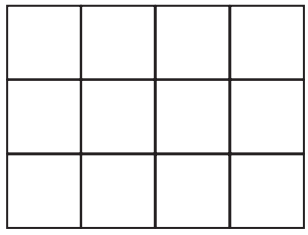


This rectangle is made up of 6 squares.
It takes up 6 squares of space.

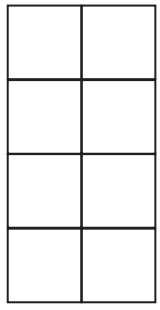
Count the squares ☐ that make up each rectangle.



9 equal squares

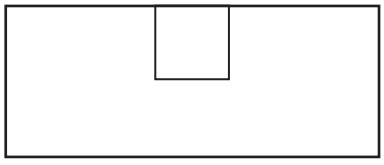


_____ equal squares

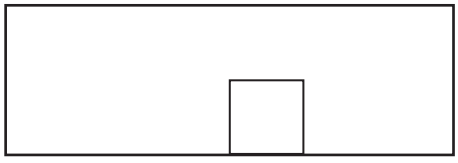


_____ equal squares

Draw same-size squares ☐ to fill each rectangle. Then, count the number of squares.

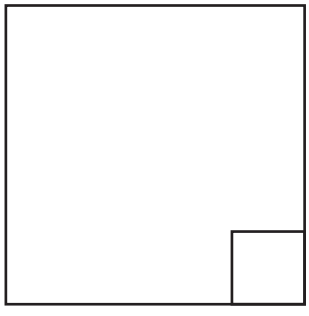


_____ square units

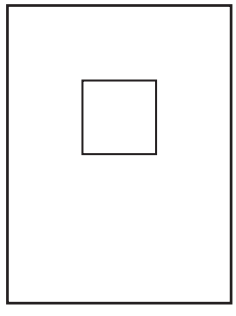


_____ square units

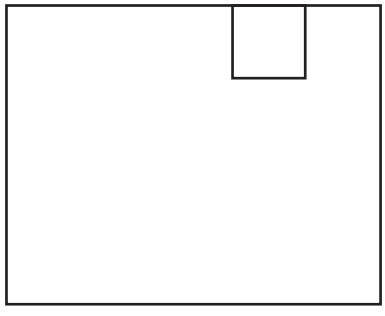
_____ square units



_____ square units



_____ square units

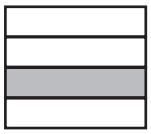


_____ square units

NAME _____

Check What You Learned

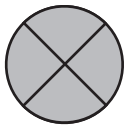
Parts of a Whole



There are _____ equal parts.

_____ of the parts is shaded.

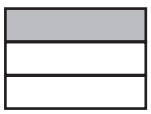
_____ of the whole is shaded.



There are _____ equal parts.

_____ of the parts are shaded.

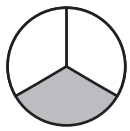
_____ of the whole is shaded.



There are _____ equal parts.

_____ of the parts is shaded.

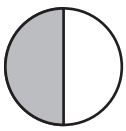
_____ of the whole is shaded.



There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.



There are _____ equal parts.

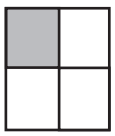
_____ of the parts is shaded.

_____ of the whole is shaded.

There are _____ equal parts.

_____ of the parts are shaded.

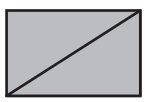
_____ of the whole is shaded.



There are _____ equal parts.

_____ of the parts is shaded.

_____ of the whole is shaded.



There are _____ equal parts.

_____ of the parts are shaded.

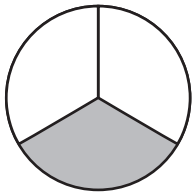
_____ of the whole is shaded.

NAME _____

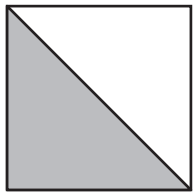
Check What You Learned

Parts of a Whole

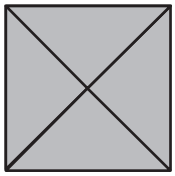
Write the fraction shown. Use numbers. Then, use words.



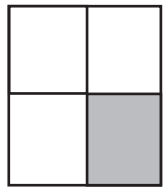
___ , _____



___ , _____



___ , _____

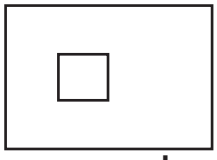


___ , _____

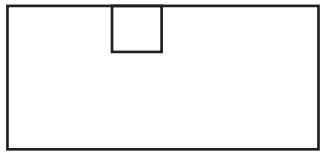
___ , _____

___ , _____

Draw same-size squares to fill each rectangle. Then, count the number of squares.



_____ equal squares



_____ equal squares

CHAPTER 8 POSTTEST

NAME _____

Final Test Chapters 1–8

Add.

9 +8	26 +34	7 +3	42 +17	7 +6	33 +45
23 +16	5 +0	47 + 9	74 +17	8 +7	16 20 +32
293 +418	502 +334	165 +775	635 +206	747 +207	456 +299

Subtract.

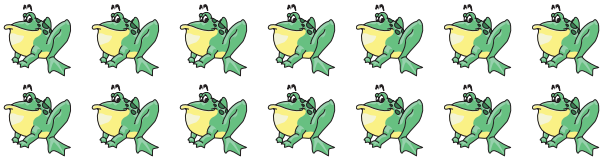
79 −36	15 − 9	75 −36	7 −7	68 −22	17 − 8
11 − 3	82 −79	4 −3	50 −23	9 −5	78 −55
881 − 17	803 − 29	746 − 48	202 − 96	236 − 48	318 − 45
802 − 359	438 − 118	877 − 335	602 − 420	930 − 115	738 − 309

CHAPTERS 1–8 FINAL TEST

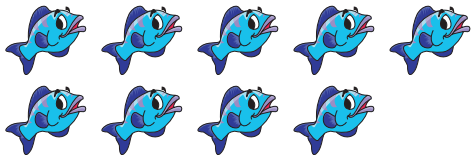
NAME _____

Final Test Chapters 1–8

Count how many. Write the number word. Write odd or even.

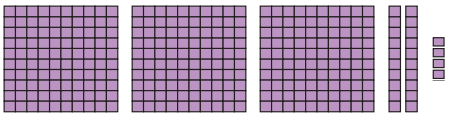


_____ _____



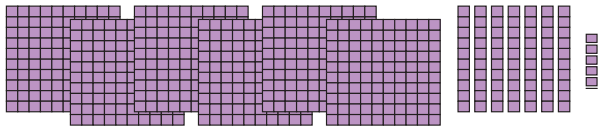
_____ _____

Write the number and the number word.



_____

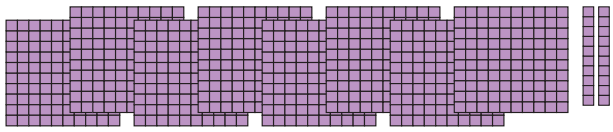
_____



_____

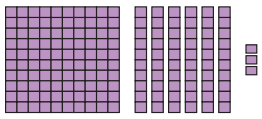
_____

Write the number and its expanded form.



_____

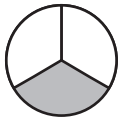
____ + ____ = ____



_____

____ + ____ + ____ = ____

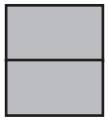
Write the fraction shown. Use numbers. Then, use words.



_

_____

_____



_

_____

_____

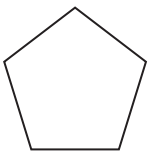
Fill the shape with the same-size squares. Then, count the squares.

_____ equal squares

NAME _____

Final Test Chapters 1–8

Name the plane shape.



_____

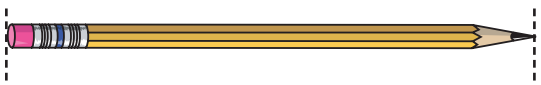
_____

Draw a shape with 3 sides and 3 angles.

Draw a cube.

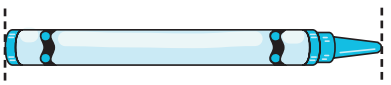
Estimate the length of each object. Then, use a ruler to measure each object in inches and centimeters.

Estimate: _____ in. _____ cm



Actual: _____ in. _____ cm

Estimate: _____ in. _____ cm

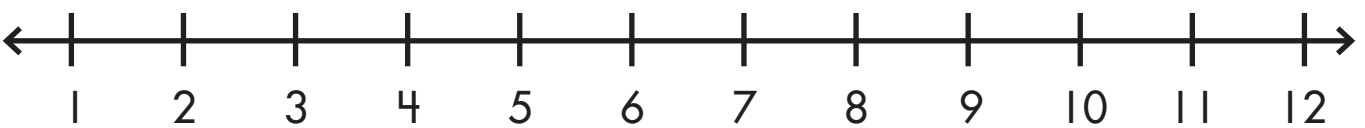


Actual: _____ in. _____ cm

Which is longer? crayon pencil

Create a line plot based on the measurements below.

12 in., 9 in., 12 in., 2 in., 4 in., 10 in., 3 in., 11 in., 10 in., 4 in., 9 in.



Write the time shown.

_____ : _____

_____ : _____

_____ o'clock

_____ forty-five

CHAPTERS 1–8 FINAL TEST

NAME _____

Final Test Chapters 1–8

Callie asked her classmates about their favorite drinks. She made this picture graph with the results.

 = 2 students

Our Favorite Drinks

Milk	
Apple Juice	
Grape Juice	
Other	

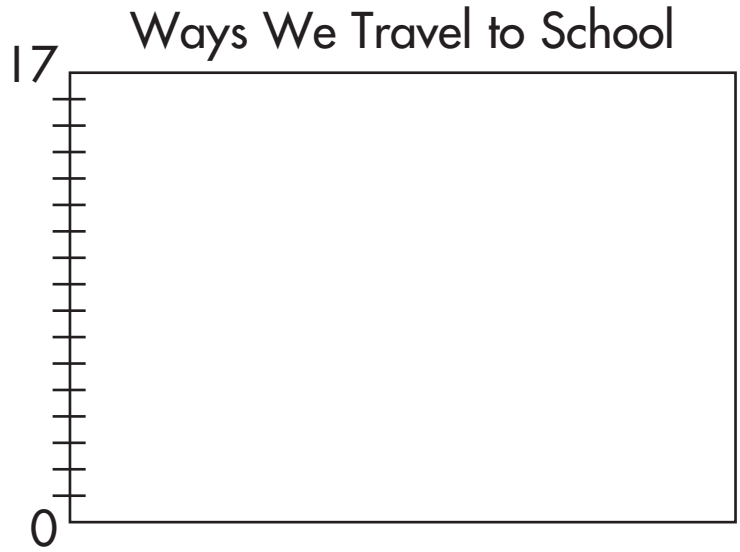
Use the graph to answer these questions.

How many students does each glass represent? _____

How many students chose grape juice? _____

Which drink did most students choose? _____

Use the information in the tally chart to complete the bar graph.



Ways We Travel to School	
Bus	𝍸
Walk	𝍸 𝍸
Car	𝍸 𝍸 |
Bike	||

How many more students ride in a car than take the bus to school? _____

NAME _____

Final Test Chapters 1–8

Solve each problem.

Jenny is reading a book that is 98 pages long.
She has read 47 pages so far.
How many pages does Jenny have left to read? _____

47 + _____ = 98

Addison bakes 14 loaves of bread.
After she gives some away, she has 6 left.
How many loaves of bread does Addison have left? _____

14 – _____ = 6

Courtney had some fabric.
Becca gave her 12 more feet of fabric.
Now Courtney has 65 feet of fabric.
How many feet of fabric did Courtney have to start with? _____

_____ + 12 = 65

There are 12 campers in the lake for an afternoon swim.
6 more campers join them.
If 9 of the campers get out of the lake,
how many campers are left swimming in the lake? _____

Kayla rakes 14 piles of leaves in her front yard.
She rakes 15 piles of leaves in her back yard.
Then, she rakes 10 piles of leaves in her neighbor's yard.
How many piles of leaves does Kayla rake in all? _____

NAME _____

Final Test Chapters 1–8

Solve each problem.

Denise has 2 nickels and 2 pennies.
How much money does Denise have? _____

Colby has 2 quarters in his pocket.
Nikki gives Colby 5 pennies that she found on the floor.
How much money does Colby have now? _____

Connor has 11 centimeters of green string and
19 centimeters of purple string to put on his birthday balloons.
How much total string does Conner have for the balloons?

_____

Mrs. Shaw bought 27 yards of fabric to make curtains for her classroom. Ms. Wolf bought 36 yards of fabric to make curtains for her classroom.
How much more fabric did Ms. Wolf buy than Mrs. Shaw?

_____

Vanessa's yo-yo string measures 32 inches.
Tony's yo-yo string measures 32 inches.
How many inches of yo-yo string do Vanessa and Tony have altogether?

_____

NAME _____ DATE _____

Scoring Record for Posttests, Mid-Test, and Final Test

		Performance			
Chapter Posttest	Your Score	Excellent	Very Good	Fair	Needs Improvement
1	____ of 31	28–31	25–27	22–24	21 or fewer
2	____ of 41	39–41	34–38	26–33	25 or fewer
3	____ of 41	39–41	34–38	26–33	25 or fewer
4	____ of 35	32–34	28–31	25–27	24 or fewer
5	____ of 62	56–62	50–55	44–49	45 or fewer
6	____ of 20	18–19	16–17	14–15	13 or fewer
7	____ of 22	20–22	18–19	15–17	14 or fewer
8	____ of 38	35–38	31–34	23–30	22 or fewer
Mid-Test	____ of 65	59–65	52–58	46–53	45 or fewer
Final Test	____ of 93	84–92	75–83	66–74	65 or fewer

Record your test score in the Your Score column. See where your score falls in the Performance columns. Your score is based on the total number of required responses. If your score is fair or needs improvement, review the chapter material.

Grade 2 Answers

Chapter 1

Pretest, page 5
Even; odd
odd; even
4 + 4 + 4 = 12; 5 + 5 = 10

Pretest, page 6
4 + 4 + 4 + 4 = 16; 1 + 1 + 1 = 3
20, 30, 50, 60
10, 20, 25, 30
24, 26, 30, 32, 34

Lesson 1.1, page 7
3 + 3 = 6; 5 + 5 + 5 + 5 = 20
4 + 4 + 4 = 12; 1 + 1 + 1 + 1 + 1 = 5
3 + 3 + 3 = 9; 4 + 4 = 8

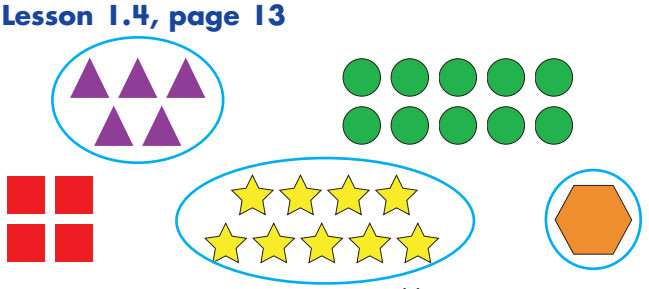
Lesson 1.1, page 8
2 + 2 = 4; 4 + 4 + 4 + 4 = 16
1 + 1 = 2; 5 + 5 + 5 = 15
5 + 5 + 5 + 5 + 5 = 25; 5 + 5 = 10

Lesson 1.2, page 9
8, 14
15, 20, 30, 35
40, 50, 60
14, 16, 22
20, 30, 35, 55, 65, 75, 80
80, 60, 40, 30

Lesson 1.3, page 10
8, 10, 12
84, 88, 90
10, 20, 30

Lesson 1.3, page 11
55, 65, 75
20, 40, 50, 80, 90
80, 60, 40, 30, 20

Lesson 1.4, page 12
8, even, 4 + 4 = 8; 5, odd

Lesson 1.4, page 13


8, 4 + 4 = 8, even; 3, 2 + 1 = 3, odd
7, 6 + 1 = 7, odd; 6, 3 + 3 = 6, even

Posttest, page 14
4, 6, 10, 12
10, 15, 25, 30
40, 50, 60, 90
5 + 5 + 5 + 5 + 5 = 25; 3 + 3 = 6

Posttest, page 15
5 + 5 + 5 + 5 = 20; 5 + 5 + 5 = 15
9, 5 + 4 = 9, odd; 10, even, 5 + 5 = 10
1, 1 + 0 = 1, odd; 5, 2 + 3 = 5, odd
6, even, 3 + 3 = 6; 4, even, 2 + 2 = 4

Chapter 2

Pretest, page 16
16, 5, 2, 11, 7, 15
8, 19, 12, 4, 9, 17
3, 6, 13, 14, 20, 10
1, 7, 2, 5, 8, 9
7, 12, 3, 0, 8, 6
9, 3, 3, 17, 8, 5

Pretest, page 17
$\begin{array}{r} 6 \\ +8 \\ \hline 14 \end{array}$

$\begin{array}{r} 17 \\ -\ 8 \\ \hline 9 \end{array}$

$\begin{array}{r} 20 \\ -\ 6 \\ \hline 14 \end{array}$

$\begin{array}{r} 6 \\ +\ 2 \\ \hline 8 \end{array}$

$\begin{array}{r} 8 \\ +\ 7 \\ \hline 15 \end{array}$

Lesson 2.1, page 18
5, 4, 5, 4, 1, 3
2, 2, 5, 3, 4, 3
4, 0, 5, 4, 4, 2
1, 5, 3, 4, 5, 2
0, 2 ,5, 3, 4, 5

Grade 2 Answers

Lesson 2.2, page 19
3, 0, 0, 1, 3, 3
0, 1, 0, 1, 2, 4
4, 2, 2, 0, 2, 3
1, 5, 0, 3, 0, 0
1, 3, 1, 2, 3, 4

Lesson 2.3, page 20
6, 8, 7, 7, 8, 8
6, 6, 7, 6, 8, 8
7, 7, 8, 7, 6, 6
8, 8, 7, 8, 6, 7
8, 8, 7, 6, 6, 7

Lesson 2.4, page 21
4, 6, 3, 4, 3, 4
7, 1, 2, 0, 5, 0
5, 6, 3, 1, 2, 2
0, 6, 5, 7, 8, 1
4, 5, 4, 4, 0, 3

Lesson 2.5, page 22
9, 10, 10, 9, 10, 9
9, 9, 10, 10, 10, 9
9, 9, 9, 9, 9, 10
9, 10, 10, 10, 9, 9
9, 10, 10, 10, 10, 9

Lesson 2.6, page 23
3, 5, 6, 6, 1, 2
9, 1, 4, 2, 8, 4
9, 5, 3, 7, 7, 10
0, 8, 6, 1, 9, 4
1, 5, 8, 2, 2, 7

Lesson 2.7, page 24
12, 11, 13, 11, 12, 11
12, 13, 12, 12, 11, 13
11, 12, 11, 13, 11, 13
13, 11, 12, 12, 13, 11
11, 12, 12, 13, 13, 11

Lesson 2.8, page 25
8, 2, 4, 7, 9, 5
3, 7, 5, 9, 6, 6
9, 4, 3, 8, 6, 8
7, 8, 4, 6, 7, 4
9, 7, 3, 9, 5, 5

Lesson 2.9, page 26
14, 12, 16, 13, 14, 11
11, 14, 13, 16, 12, 16
14, 15, 12, 11, 14, 13
15, 12, 12, 11, 15, 15
13, 14, 11, 16, 11 ,14

Lesson 2.10, page 27
5, 7, 5, 8, 7, 4
5, 9, 6, 7, 9, 6
9, 7, 8, 2, 6, 8
4, 3, 6, 8, 9, 9
7, 7, 5, 8, 5, 7

Lesson 2.11, page 28
18, 17, 16, 13, 19, 12
14, 20, 15, 12, 15, 17
17, 14, 12, 13, 12, 14
19, 13, 18, 15 ,12 ,20
20, 14, 13, 17, 16, 19

Lesson 2.12, page 29
9, 8, 6, 8, 6, 11
3, 9, 8, 5, 7, 6
8, 6, 8, 12, 5, 9
8, 9, 5, 4, 16, 7
15, 9, 9, 4, 7, 10

Lesson 2.13, page 30
$$\begin{array}{r} 13 \\ -\ 7 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 8 \\ +\ 6 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 15 \\ -\ 7 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 6 \\ +\ 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 18 \\ -\ 9 \\ \hline 9 \end{array}$$

Grade 2 Answers

Lesson 2.13, page 31

subtract; $12 - 6 = 6$

subtract; $20 - 5 = 15$

add; $6 + 7 = 13$

$9 - 5 = 4$

Posttest, page 32

7, 10, 12, 3, 16, 18
9, 13, 6, 4, 14, 5
8, 20, 15, 17, 11, 19
9, 6, 2, 6, 1, 5
10, 9, 0, 9, 6, 6
8, 9, 16, 0, 3, 0

Posttest, page 33

$15 - 6 = 9$

$7 + 5 = 12$

$12 - 5 = 7$

$9 + 9 = 18$

$19 - 3 = 16$

Chapter 3

Pretest, page 34

57, 74, 98, 59, 69
59, 91, 39, 58, 93
39, 68, 78, 96, 59
5, 27, 20, 13, 22
24, 27, 50, 17, 3
35, 31, 6, 20, 22

Pretest, page 35

$46 - 22 = 24$

$36 + 22 = 58$

$37 - 25 = 12$

$58 - 45 = 13$

$53¢ - 41¢ = 12¢$

Lesson 3.1, page 36

64, 79, 79, 87, 74
76, 48, 87, 94, 88
91, 89, 98, 69, 89
87, 69, 85, 79, 59
95, 77, 98, 59, 53

Lesson 3.1, page 37

69, 97, 39, 79, 75
99, 79, 39, 57, 86
56, 88, 49, 67, 68
49, 68, 63, 76, 89
56, 69, 56, 48, 99
94, 76, 78, 58, 77
78, 89, 78, 98, 63

Lesson 3.2, page 38

67, 89, 85, 79, 39
69, 84, 77, 47, 87
89, 57, 89, 96, 69
85, 27, 94, 89, 40
96, 77, 67, 84, 65
69, 94, 86, 67, 87
49, 39, 54, 87, 77

Grade 2 Answers

Lesson 3.2, page 39

$$\begin{array}{r} 10 \\ +11 \\ \hline 21 \end{array} \qquad \begin{array}{r} 42 \\ +33 \\ \hline 75 \end{array} \qquad \begin{array}{r} 13 \\ +20 \\ \hline 33 \end{array} \qquad \begin{array}{r} 28 \\ -14 \\ \hline 14 \end{array} \qquad \begin{array}{r} 32 \\ +27 \\ \hline 59 \end{array}$$

Lesson 3.3, page 40

10, 81, 12, 14, 52
16, 53, 30, 12, 15
21, 14, 33, 24, 26
11, 30, 60, 31, 22
5, 14, 10, 62, 5

Lesson 3.3, page 41

11, 23, 25, 50, 14
13, 26, 21, 33, 31
52, 24, 11, 35, 20
33, 42, 17, 10, 24
91, 14, 4, 31, 12
14, 90, 34, 32, 41
25, 61, 62, 13, 11

Lesson 3.4, page 42

22, 34, 10, 16, 6
72, 18, 3, 60, 45
25, 32, 43, 45, 1
35, 43, 54, 40, 21
15, 32, 51, 40, 13
80, 60, 14, 74, 21
43, 20, 26, 18, 22

Lesson 3.4, page 43

$$\begin{array}{r} 28 \\ -10 \\ \hline 18 \end{array} \qquad \begin{array}{r} 32 \\ -30 \\ \hline 2 \end{array} \qquad \begin{array}{r} 65 \\ -22 \\ \hline 43 \end{array} \qquad \begin{array}{r} 59 \\ -44 \\ \hline 15 \end{array} \qquad \begin{array}{r} 37 \\ -12 \\ \hline 25 \end{array}$$

Lesson 3.5, page 44

69, 88, 87, 68, 96
87, 49, 87, 65, 59
69, 56, 58, 47, 66
79, 39, 77, 68, 88

Lesson 3.5, page 45

$$\begin{array}{r} 10 \\ 12 \\ +25 \\ \hline 47 \end{array} \qquad \begin{array}{r} 14 \\ 15 \\ +20 \\ \hline 49 \end{array} \qquad \begin{array}{r} 6 \\ 22 \\ +30 \\ \hline 58 \end{array} \qquad \begin{array}{r} 32 \\ 26 \\ +10 \\ \hline 68 \end{array} \qquad \begin{array}{r} 14 \\ 23 \\ +30 \\ \hline 67 \end{array}$$

Grade 2 Answers

Lesson 3.6, page 46

30¢ 32¢ 42¢ 24¢

$$\begin{array}{r} 30¢ \\ +42¢ \\ \hline 72¢ \end{array} \qquad \begin{array}{r} 32¢ \\ +24¢ \\ \hline 56¢ \end{array}$$

$$\begin{array}{r} 30¢ \\ +32¢ \\ \hline 62¢ \end{array} \qquad \begin{array}{r} 42¢ \\ +24¢ \\ \hline 66¢ \end{array}$$

$$\begin{array}{r} 30¢ \\ 42¢ \\ +24¢ \\ \hline 96¢ \end{array} \qquad \begin{array}{r} 32¢ \\ 24¢ \\ +30¢ \\ \hline 86¢ \end{array}$$

Lesson 3.6, page 47

melon
apple

$$\begin{array}{r} 85¢ \\ -33¢ \\ \hline 52¢ \end{array} \qquad \begin{array}{r} 33¢ \\ -20¢ \\ \hline 13¢ \end{array}$$

$$\begin{array}{r} 35¢ \\ -20¢ \\ \hline 15¢ \end{array} \qquad \begin{array}{r} 85¢ \\ -20¢ \\ \hline 65¢ \end{array}$$

$$\begin{array}{r} 85¢ \\ -35¢ \\ \hline 50¢ \end{array} \qquad \begin{array}{r} 35¢ \\ -33¢ \\ \hline 2¢ \end{array}$$

Posttest, page 48

79, 36, 93, 66, 57, 99
47, 28, 59, 58, 84, 35
59, 68, 27, 87, 49, 69
16, 24, 13, 41, 50, 22
53, 70, 3, 33, 34, 24
73, 10, 25, 30, 17, 44

Posttest, page 49

$$\begin{array}{r} 15 \\ +14 \\ \hline 29 \end{array}$$

$$\begin{array}{r} 27 \\ +31 \\ \hline 58 \end{array} \qquad \begin{array}{r} 58 \\ -\ 5 \\ \hline 53 \end{array}$$

$$\begin{array}{r} 24 \\ -\ 3 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 65 \\ -45 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 45¢ \\ +52¢ \\ \hline 97¢ \end{array}$$

Chapter 4

Pretest, page 50

82, 75, 63, 90, 83
73, 41, 57, 72, 95
91, 61, 84, 60, 44
28, 5, 18, 6, 38
17, 28, 48, 22, 58
24, 7, 49, 74, 27

Pretest, page 51

$$\begin{array}{r} 61 \\ -45 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 38 \\ +35 \\ \hline 73 \end{array} \qquad \begin{array}{r} 73 \\ -\ 3 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 72 \\ -44 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 91 \\ -45 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 95 \\ -38 \\ \hline 57 \end{array}$$

Lesson 4.1, page 52

81, 92, 64, 37, 82
92, 96, 84, 81, 36
72, 62, 51, 92, 85
70, 73, 70, 30, 91

Lesson 4.1, page 53

90, 63, 70, 90, 64
50, 83, 60, 72, 42
71, 91, 80, 85, 60
55, 80, 41, 84, 70
70, 82, 61, 60, 82
73, 71, 64, 47, 81

Grade 2 Answers

Lesson 4.2, page 54

71, 51, 83, 60, 64
73, 61, 60, 75, 67
41, 82, 92, 52, 92
53, 51, 71, 40, 81
60, 82, 92, 65, 72
90, 83, 63, 84, 85

Lesson 4.2, page 55

$\begin{array}{r} 35 \\ +39 \\ \hline 74 \end{array}$

$\begin{array}{r} 48 \\ +36 \\ \hline 84 \end{array}$ $\begin{array}{r} 84 \\ -30 \\ \hline 54 \end{array}$

$\begin{array}{r} 33 \\ +28 \\ \hline 61 \end{array}$

$\begin{array}{r} 9 \\ +15 \\ \hline 24 \end{array}$

$\begin{array}{r} 15 \\ +16 \\ \hline 31 \end{array}$

Lesson 4.3, page 56

29, 12, 29, 37, 7
57, 12, 27, 9, 57
15, 37, 5, 21, 19
38, 15, 15, 28, 56

Lesson 4.3, page 57

3, 9, 18, 88, 45
13, 16, 17, 9, 36
4, 26, 29, 9, 48
16, 38, 24, 8, 16
19, 8, 37, 16, 27

Lesson 4.4, page 58

9, 17, 9, 17, 26
36, 45, 9, 28, 27
4, 28, 48, 47, 36
15, 29, 46, 26, 48
36, 37, 8, 24, 49
18, 24, 9, 35, 56

Lesson 4.4, page 59

$\begin{array}{r} 33 \\ -28 \\ \hline 5 \end{array}$

$\begin{array}{r} 25 \\ +27 \\ \hline 52 \end{array}$ $\begin{array}{r} 52 \\ -19 \\ \hline 33 \end{array}$

$\begin{array}{r} 31 \\ -\ 8 \\ \hline 23 \end{array}$

$\begin{array}{r} 26 \\ -\ 8 \\ \hline 18 \end{array}$

$\begin{array}{r} 42 \\ -27 \\ \hline 15 \end{array}$

Posttest, page 60

60, 84, 92, 73, 42
63, 80, 53, 72, 63
53, 50, 83, 60, 24
39, 9, 35, 6, 26
18, 6, 29, 38, 8
38, 26, 47, 9, 15

Posttest, page 61

$\begin{array}{r} 50 \\ +38 \\ \hline 88 \end{array}$ $\begin{array}{r} 88 \\ -10 \\ \hline 78 \end{array}$

$\begin{array}{r} 57 \\ +39 \\ \hline 96 \end{array}$

$\begin{array}{r} 60 \\ -51 \\ \hline 9 \end{array}$

$\begin{array}{r} 42 \\ -18 \\ \hline 24 \end{array}$

$\begin{array}{r} 37 \\ +29 \\ \hline 66 \end{array}$

Grade 2 Answers

Mid-Test

Page 62

13, 43, 49, 14, 94, 9
17, 78, 81, 5, 69, 8
39, 78, 4, 12, 52, 68
36, 5, 9, 28, 9, 53
11, 7, 7, 10, 3, 37
8, 0, 12, 37, 8, 5

Page 63

Odd; even
50, 55, 65
14, 16, 20, 22
4 + 4 + 4 = 12; 5 + 5 = 10

Page 64

5 + 5 + 5 = 15
50, 60, 70, 100, 110, 120, 130
14, even
7 + 7 = 14

$$\begin{array}{r} 14 \\ +13 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 34 \\ -\ 9 \\ \hline 25 \end{array}$$

Page 65

$$\begin{array}{r} 15 \\ -\ 3 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 24 \\ 22 \\ +21 \\ \hline 67 \end{array}$$

$$\begin{array}{r} 30¢ \\ +33¢ \\ \hline 63¢ \end{array}$$

$$\begin{array}{r} 14 \\ +18 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 24 \\ +13 \\ \hline 37 \end{array} \qquad \begin{array}{r} 45 \\ -37 \\ \hline 8 \end{array}$$

Chapter 5

Pretest, page 66

455, 460, 475, 485
370, 380, 410, 420
100, 300, 400, 600, 700
234, 200 + 30 + 4 = 234; 306, three hundred six;
460 < 540; 918 > 908; 103 < 120
575 < 590; 260 > 240; 347 > 298
701 < 707; 647 < 742; 818 = 818
157 > 120; 450 > 370; 963 < 993

Pretest, page 67

70; 178; 182; 95; 199; 283;
792; 979; 420; 905; 369; 160;
228; 277; 208; 169; 77; 417
108; 64; 510; 16; 94; 639;
444; 442; 848; 600; 732; 40;
35; 52; 37; 61; 609; 426

Lesson 5.1, page 68

165, 100 + 60 + 5; 178, 100 + 70 +8
184, 100 + 80 + 4; 158, 100 + 50 + 8
170, 100 + 70; 152, 100 + 50 + 2
180, 100 + 80; 161, 100 + 60 + 1

Lesson 5.2, page 69

235, two hundred thirty-five; 309, three hundred nine
324, three hundred twenty-four; 217,
two hundred seventeen
390, three hundred ninety; 289, two hundred eighty-nine
241, two hundred forty-one; 307, three hundred seven

Lesson 5.3, page 70

542, five hundred forty-two; 435, four hundred thirty-five
640, six hundred forty; 514, five hundred fourteen
494, four hundred ninety-four; 671,
six hundred seventy-one
433, four hundred thirty-three; 508, five hundred eight

Lesson 5.4, page 71

722, 700 + 20 + 2
956, 900 + 50 + 6; 809, 800 + 9
840, 800 + 40
774, 700 + 70 + 4; 963, 900 + 60 + 3
917, 900 + 10 + 7

Grade 2 Answers

Lesson 5.5, page 72
313, 315, 316
417, 419, 421
610, 615, 620, 635
785, 795, 810 ,815
210, 220, 240, 260
360, 380, 390, 410, 420
200, 400, 500, 700
700, 600, 400, 300

Lesson 5.6, page 73
410, 415, 420, 435, 440
320, 330, 340, 370
660, 650, 640, 610
502, 492, 472, 462
440, 540, 740, 840
210, 310, 510, 610, 710
850, 750, 650, 550, 350
726, 626, 426, 326

Lesson 5.6, page 74
831 < 843; 436 > 379; 902 < 911
567 > 564; 306 < 401; 535 = 535
219 > 198; 739 > 730; 630 < 820
127 > 119; 407 < 610; 923 < 925
354 < 453; 802 > 792; 236 < 401
504 = 504; 402 < 408; 123 > 118
367 < 562; 760 > 740; 654 < 736
981 > 901; 391 < 491; 835 > 830

Lesson 5.6, page 75
122 < 245; 903 > 500; 418 < 806
856 > 424; 806 > 751; 980 > 361
744 > 121; 168 < 388; 959 > 767
676 < 806; 371 < 638; 492 < 746
861 > 445; 775 > 134; 393 > 296
433 < 816; 189 = 189; 101 < 788;
689 > 341; 365 < 815; 483 < 504;
770 > 310; 379 < 462; 403 < 404;
510 = 510; 506 < 736; 311 < 482;
646 < 740; 673 > 355; 180 < 483;
148 < 569; 823 > 511; 568 = 568;
639 < 660; 938 > 302; 764 > 741

Lesson 5.7, page 76
140; 61; 151; 111; 94
81; 110; 104; 111; 121
141; 44; 120; 93; 91
81; 134; 121; 94; 62
43; 101; 80; 141; 127
114; 122; 120; 94; 88

Lesson 5.7, page 77
89; 78; 88; 86; 77
79; 79; 67; 66; 68
26; 8; 48; 89; 69
78; 58; 69; 86; 59
28; 58; 29; 58; 74
85; 69; 79; 75; 87

Lesson 5.7, page 78
61; 109; 106; 92; 90
55; 71; 84; 59; 117;
80; 70; 105; 47; 74
91; 91; 97; 66; 72
91; 67; 129; 85, 89
87; 89; 101; 98; 71

Lesson 5.7, page 79
58; 91; 116; 82; 79;
84; 64; 122; 115; 124;
7; 78; 78; 49; 91;
589; 377; 590; 767; 851
773; 703; 386; 617; 658
434; 691; 790; 488; 43

Lesson 5.8, page 80
685; 1,153; 933; 1,123; 444
1,175; 1,030; 1,570; 1,042; 1,280
1,282; 1,001; 681; 973; 1,356
982; 944; 367; 404; 414
1,424; 850; 1,378; 1,350; 446
1,334; 1,070; 880; 1,251; 1,125

Lesson 5.9, page 81
212; 593; 489; 120; 480
408; 206; 279; 106; 377
331; 399; 519; 189; 577
114; 208; 529; 171; 448
86; 627; 25; 350; 86
281; 349; 225; 336; 129

Lesson 5.10, page 82
369; 901; 417; 732; 521
1,108; 606; 1,075; 1,005; 397
847; 711; 931; 550; 531
1,055; 589; 812; 902; 382

Lesson 5.11, page 83
570; 238; 33; 326; 165;
121; 15; 226; 112; 129;
399; 220; 106; 263; 264
187; 462; 437; 303; 215

Grade 2 Answers

Lesson 5.12, page 84
131; 179; 91; 94; 422
268; 62; 337; 60; 779;
447; 77; 89; 175; 198
1,403; 313; 860; 79; 465
905; 365; 370; 198; 204
223; 922; 689; 396; 302

Lesson 5.12, page 85
75; 119; 120; 649; 905
106; 585; 349; 91; 402
1,344; 118; 390; 580; 149
54; 72; 339; 344; 861
121; 916; 435; 688; 478
14; 510; 651; 681; 777

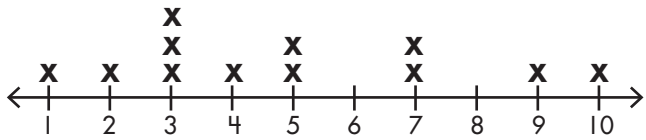
Lesson 5.12, page 86
131; 158; 86; 117; 664
401; 162; 520; 140; 197;
1,111; 164; 620; 999; 329
397; 108; 183; 409; 889
88; 147; 591; 430; 406
306; 463; 378; 106; 403

Posttest, page 87
110, 115, 125, 130
660, 680, 690, 710
475, 675, 775, 875
550, 500 + 50
129, 100 + 20 +9
218, two hundred eighteen
163, one hundred sixty-three
410 < 501; 653 < 672; 946 > 942
378 > 350; 741 > 561; 143 < 206

Posttest, page 88
167; 345; 249; 402; 922; 868
279; 375; 1,750; 345; 1,273; 360
969; 407; 856; 1,042; 915; 990
137; 106; 78; 40; 270; 186
288; 617; 231; 115; 394; 364
159; 477; 187; 683; 485; 169

Chapter 6

Pretest, page 89
Check student's estimates against actual lengths, 3.5 in., 9 cm; Check student's estimates against actual lengths, 2 in., 4.5 cm
pencil; centimeters; an inch



2:30; seven o'clock; 4:45

Pretest, page 90
Cookie dough; 7; 12
75; 60

Pretest, page 91
98 in.
−95 in.
3 in.

5¢
+7¢
12¢

5 in.
+ 7 in.
12 in.

$4.05
−$2.00
$2.05

60 in.
−51 in.
9 in.

Lesson 6.1, page 92
7, 7:00; 12, 12:00; 11, 11:00
10, 10:00; 6, 6:00; 5, 5:00
9, 9:00; 8, 8:00; 2, 2:00

Lesson 6.2, page 93
4, 4:30; 10, 10:30; 11, 11:30
2, 2:30; 1, 1:30; 6, 6:30
5, 5:30; 9, 9:30; 3, 3:30

Lesson 6.3, page 94
6:45; 5:15; 10:15
3:45; 11:15; 7:45

Lesson 6.3, page 95
3, 4; 6; 3:30
5, 6; 9; 5:45
8; 12; 8:00
10, 11; 3; 10:15
4; 12; 4:00

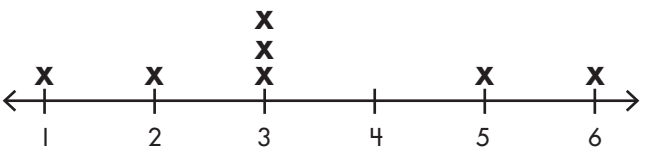
Grade 2 Answers

Lesson 6.4, page 96
Check student's estimates against actual lengths: 5 in., 4 in., 2 in., 7 in., 3 in.

Lesson 6.5, page 97
Check student's estimates against actual lengths: 6 cm, 5 cm, 9 cm, 12 cm, 9 cm

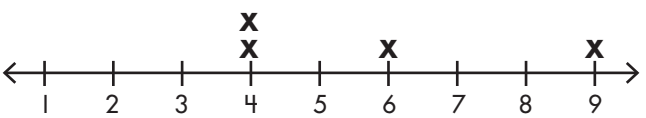
Lesson 6.6, page 98
3 in.
5 in.
3 in.; 2 in.
6 in.
1 in.; 3 in.

Lesson 6.7, page 99
1; 1; 2; 0; 1; 1



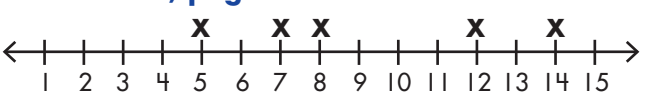
Lesson 6.8, page 100
1 in.; 5 in.
2 in.; 4 in.
3, 1, 3, 1, 8 in.; 2, 2, 2, 6 in.
1, 1, 1, 1, 4 in.; 2, 1, 2, 1, 6 in.

Lesson 6.9, page 101



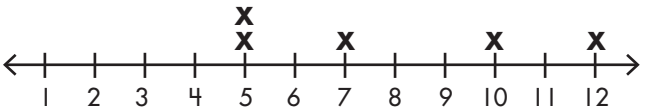
Lesson 6.10, page 102
8 cm; 4 cm
6 cm; 9 cm
7 cm
17 cm

Lesson 6.11, page 103



Lesson 6.12, page 104
6 cm; 5 cm
2 cm; 9 cm
6, 2, 6, 2, 16 cm; 6, 1, 6, 1, 14 cm
4, 4, 4, 4, 16 cm; 3, 3, 3, 3, 3, 15 cm

Lesson 6.13, page 105



Lesson 6.14, page 106
3 in., 2 in., 1 in. longer
5 in., 3 in., 2 in. longer
1 in., 2 in., 1 in. longer
3 in., 5 in., 2 in. longer

Lesson 6.15, page 107
6 cm, 4 cm, 2 cm longer
8 cm, 4 cm, 4 cm longer
4 cm, 5 cm, 1 cm longer
7 cm, 6 cm, 1 cm longer

Lesson 6.16, page 108
11 centimeters, 22 squares
14 centimeters, 28 squares
7 centimeters, 14 squares
15 centimeters, 30 squares
Answers may vary, but students should understand that the measurements in centimeters have lower numbers than those in squares.
Answers may vary, but students should understand that the squares are smaller units than centimeters.

Lesson 6.16, page 109
2 centimeters, about 1 inch
5 centimeters, about 2 inches
10 centimeters, about 4 inches
8 centimeters, about 3 inches
16 centimeters, about 6 inches
13 centimeters, about 5 inches
Answers may vary, but students should understand that the measurements in centimeters have higher numbers than those in inches.
Answers may vary, but students should understand that centimeters are smaller units than inches.

Lesson 6.17, page 110

$$\begin{array}{r} 48 \text{ ft.} \\ +21 \text{ ft.} \\ \hline 69 \text{ ft.} \end{array}$$

$$\begin{array}{r} 27 \text{ in.} \\ -11 \text{ in.} \\ \hline 16 \text{ in.} \end{array}$$

Grade 2 Answers

20 ft.
−13 ft.
7 ft.

25 in.
−17 in.
8 in.

70 in.
−55 in.
15 in.

Lesson 6.18, page 111

14
4
cat
7
25

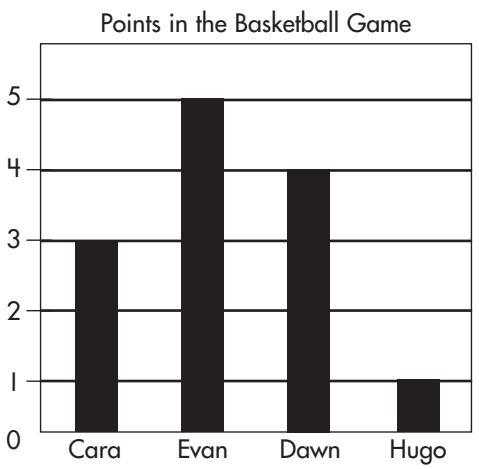
Lesson 6.18, page 112

10
7
oranges
15
1
21

Lesson 6.18, page 113

40
12
Trina
11
17
5

Lesson 6.19, page 114



Evan; Hugo; 13; 4

Lesson 6.20, page 115

Check student's picture graphs

Shapes Around the Room	
Triangles	▲▲▲▲▲▲▲
Stars	★★★★★★★★★★
Squares	■■■■■■■■■■
Circles	●●●●●●

star; circle; 3; 3

Lesson 6.21, page 116

30; 35; 65; 73

Lesson 6.22, page 117

20¢
+ 4¢
24¢

5¢
+7¢
12¢

10¢
+ 6¢
16¢

$2.00
25¢
10¢
20¢
+ 10¢
$2.65

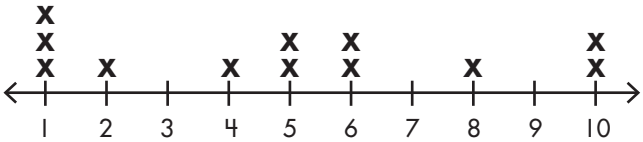
$1.00
50¢
40¢
5¢
+ 5¢
$2.00

Posttest, page 118

Check student's estimates against actual lengths: ~2.5 in., 6 cm; Check student's estimates against actual lengths: ~1.5 in., 4 cm

paper clip; centimeters; a centimeter

Grade 2 Answers



12:30; 6:00; 9:15

Posttest, page 119

Soccer; baseball; 11
75; 60

Posttest, page 120

50¢
+10¢
60¢

78 in.
−70 in.
8 in.

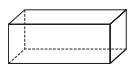
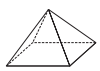
$4.00
+$2.50
$6.50

55¢
+25¢
80¢

8 ft.
−6 ft.
2 ft.

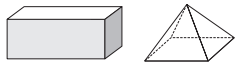
Chapter 7

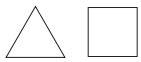
Pretest, page 121


square; circle; triangle; rectangle
triangle; rectangle; pentagon; hexagon
square
square pyramid
triangle

Pretest, page 122

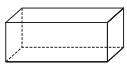



Lesson 7.1, page 123

circle; rectangle; triangle; pentagon
hexagon; square; hexagon; square
square
hexagon
circle
triangle

Lesson 7.2, page 124




square pyramid
rectangular solid
sphere
cube

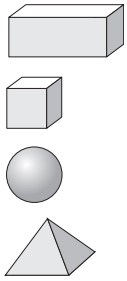
Lesson 7.3, page 125




Grade 2 Answers

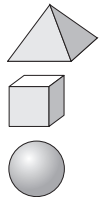
Lesson 7.4, page 126

square and triangle
square
rectangle and square
circle



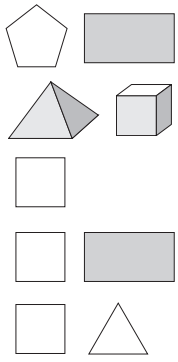
Posttest, page 127

triangle; square; rectangle; circle
pentagon; triangle; hexagon; rectangle



cube
rectangle
pentagon
sphere

Posttest, page 128



Chapter 8

Pretest, page 129

4, 4, $\frac{4}{4}$; 3, 1, $\frac{1}{3}$
3, 1, $\frac{1}{3}$; 2, 1, $\frac{1}{2}$
3, 3, $\frac{3}{3}$; 4, 1, $\frac{1}{4}$
4, 1, $\frac{1}{4}$; 2, 2, $\frac{2}{2}$

Pretest, page 130

$\frac{1}{3}$, one-third; $\frac{1}{4}$, one-fourth
$\frac{2}{2}$, two-halves; $\frac{1}{2}$; one-half
$\frac{1}{4}$, one-fourth; $\frac{3}{3}$; three-thirds
10; 9

Lesson 8.1, page 131

$\frac{3}{3}$, three-thirds; $\frac{2}{2}$, two-halves
$\frac{2}{2}$, two-halves; $\frac{3}{3}$, three-thirds
$\frac{4}{4}$, four-fourths; $\frac{4}{4}$, four-fourths

Lesson 8.2, page 132

2, 1, $\frac{1}{2}$; 2, 1, $\frac{1}{2}$
2, 1, $\frac{1}{2}$; 2, 1, $\frac{1}{2}$
One-half; One-half

Lesson 8.3, page 133

3, 1, $\frac{1}{3}$; 3, 1, $\frac{1}{3}$
3, 1, $\frac{1}{3}$; 3, 1, $\frac{1}{3}$
One-third; One-third

Lesson 8.4, page 134

4, 1, $\frac{1}{4}$; 4, 1, $\frac{1}{4}$
4, 1, $\frac{1}{4}$; 4, 1, $\frac{1}{4}$
One-fourth; One-fourth

Lesson 8.5, page 135

9; 12; 8
10; 12; 4
16; 12; 20

Posttest, page 136

4, 1, $\frac{1}{4}$; 4, 1, $\frac{1}{4}$
3, 1, $\frac{1}{3}$; 3, 1, $\frac{1}{3}$
2, 1, $\frac{1}{2}$; 3, 3, $\frac{3}{3}$
4, 1, $\frac{1}{4}$; 2, 2, $\frac{2}{2}$

Posttest, page 137

$\frac{1}{3}$, one-third; $\frac{1}{2}$, one-half
$\frac{4}{4}$, four-fourths; $\frac{1}{4}$, one-fourth
$\frac{3}{3}$, three-thirds; $\frac{1}{3}$, one-third
12; 18

Grade 2 Answers

Final Test

Page 138

17; 60; 10; 59; 13; 78
39; 5; 56; 91; 15; 68
711; 836; 940; 841; 954; 755
43; 6; 39; 0; 46; 9
8; 3; 1; 27; 4; 23
864; 774; 698; 106; 188; 273
443; 320; 542; 182; 815; 429

Page 139

Fourteen, even; nine, odd
324, three hundred twenty four;
675, six hundred seventy five
820, 800 + 20; 163, 100 + 60 + 3
$\frac{1}{3}$, one-third; $\frac{2}{2}$, two-halves; 8 equal squares

Page 140

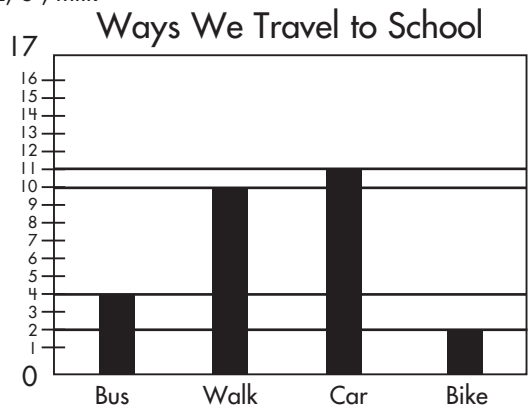
pentagon; rectangle;  ; 

Check student's estimates against actual lengths:
~3 in., 7 cm; ~2 in., 5 cm
pencil

9:15; 2:30; seven o'clock; three forty-five

Page 141

2; 6 ; milk



7 students

Page 142

$$\begin{array}{r} 47 \\ +\ 51 \\ \hline 98 \end{array}$$

$$\begin{array}{r} 14 \\ -\ 8 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 53 \\ +\ 12 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 12 \\ +\ 6 \\ \hline 18 \end{array} \qquad \begin{array}{r} 18 \\ -\ 9 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 15 \\ 14 \\ +10 \\ \hline 39 \end{array}$$

Page 143

$$\begin{array}{r} 10¢ \\ +\ 2¢ \\ \hline 12¢ \end{array}$$

$$\begin{array}{r} 50¢ \\ +\ 5¢ \\ \hline 55¢ \end{array}$$

$$\begin{array}{r} 11 \text{ cm} \\ +19 \text{ cm} \\ \hline 30 \text{ cm} \end{array}$$

$$\begin{array}{r} 36 \text{ yd.} \\ -27 \text{ yd.} \\ \hline 9 \text{ yd.} \end{array}$$

$$\begin{array}{r} 32 \text{ in.} \\ +32 \text{ in.} \\ \hline 64 \text{ in.} \end{array}$$

Notes

Notes

Stop the summer slide. Start Summer Bridge Activities®.

You've probably heard of "summer learning loss," or the "summer slide." Studies have shown that children can *lose up to 2.5 months of learning* over the summer. But did you know that summer learning loss could have a cumulative effect with a long-term impact on children's skills and success?

Summer Bridge Activities® are an easy, effective, and fun way to keep your child's mind sharp all summer long.

Inside each book you'll find:

- Essential math, language arts, reading, social studies, science, and character development skills
- Encouraging stickers and certificates to keep kids motivated
- Outdoor fitness activities to keep them moving
- Free access to the **Summer Bridge Activities®** online companion site

With **Summer Bridge Activities®**, your child will be on track for a terrific school year, and beyond. That's why we say; ***just 15 minutes a day goes a long way!***

Newly updated, ***Summer Bridge Activities®*** books align to state learning standards.

carsondellosa.com/summerbridge

Math

SPECTRUM®

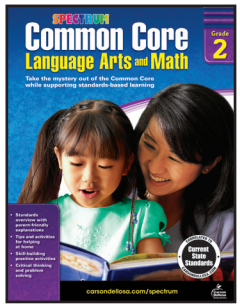
Supporting your child's educational journey every step of the way.

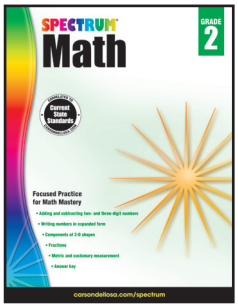
Spectrum® provides specific support in the skills and standards that your child is learning in today's classroom.

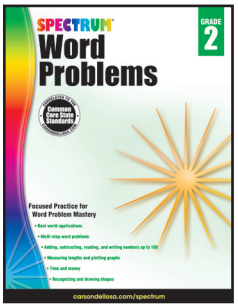
- Comprehensive, grade-specific titles to prepare for the year ahead
- Subject-specific practice to reinforce classroom learning
- Skill-specific titles to enrich and enhance educational concepts
- Test preparation titles to support test-taking skills

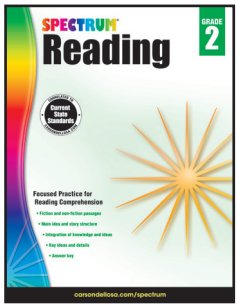
No matter your need, *Spectrum* is with you every step of the way.

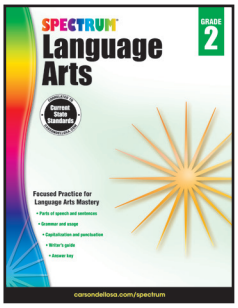
Spectrum is available in these titles for second grade success:

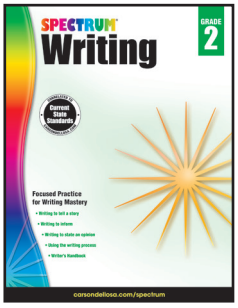


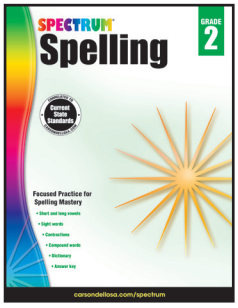


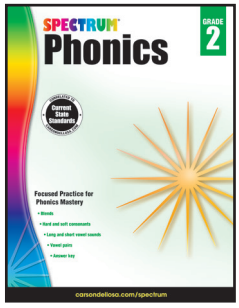


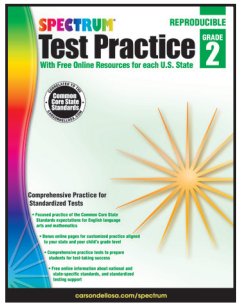












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