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 - Fractions
 - Perimeter and area
 - Graphs and line plots
 - Answer key



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Math

Grade 3

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Check What You Know

Adding and Subtracting 1- and 2-Digit Numbers (with renaming)

Add.

$$\begin{array}{c} 1 \ 3 \\ 3 \ 3 \\ + \ 7 \end{array}$$



Check What You Know

SHOW YOUR WORK

Adding and Subtracting 1- and 2-Digit Numbers (with renaming)

Solve each problem.

9. The florist has 63 roses and carnations. If she has 27 roses, how many carnations does she have?

The florist has _____ roses and carnations.

She has _____ roses.

The florist has _____ carnations.

10. Bly has 43 pennies, 13 dimes, and 16 nickels. How many coins does she have in all?

Bly has _____ pennies.

She has _____ dimes.

She has nickels.

Bly has _____ coins in all.

11. There are 36 students in Cleveland's class this year. If 22 are girls, how many boys are in Cleveland's class?

There are ______ students in Cleveland's class.

There are _____ girls in his class.

There are _____ boys in his class.

12. The store has 53 cases of apples and oranges in the storeroom. If there are 28 cases of apples, how many cases of oranges are there in the storeroom?

There are _____ cases of oranges in the storeroom.

9.

10.

11.

Lesson I.I Adding through 20

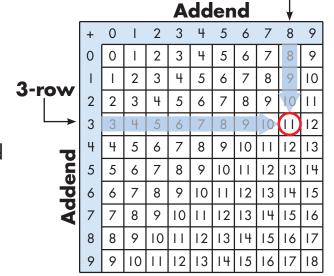
addend
addend

+ 8

Find the **3**-row.

Find the **8**-column.

The sum is named where the 3-row and



Add.

the 8-column meet.

8-column

Lesson I.2 Subtracting through 20

			7-column							
<u> </u>	0	1	2	3	4	5	6	<u>▼</u> 7	8	9
0	0	ı	2	3	4	5	6	7	8	9
1	Τ	2	3	4	5	6	7	8	9	10
2	2	3	4	5	6	7	8	9	10	П
3	3	4	5	6	7	8	9	10	П	12
4	4	5	6	7	8	9	10	V	12	13
5	5	6	7	8	9	10		12	13	14
6	6	7	8	9	10	П	12	13	14	15
7	7	8	9	10	П	12	13	14	15	16
8	8	9	10	П	12	13	14	15	16	17
9	9	10	П	12	13	14	15	16	17	18

Lesson 1.3 Adding 2-Digit Numbers (no renaming)

First, add the ones. Then, add the tens.

Add.

1.
$$\begin{array}{r} 23 \\ + 16 \\ \hline 39 \end{array}$$

$$\begin{array}{c} 2 \ 2 \\ + \ 2 \ 2 \end{array}$$

$$\begin{array}{c} 3\ 2 \\ +\ 4\ 5 \end{array}$$

Lesson 1.4 Subtracting 2-Digit Numbers (no renaming)

First, subtract the ones.

Then, subtract the tens.



$$\frac{36}{-23}$$

$$\frac{36}{-23}$$

1.
$$\begin{array}{c} 23 \\ -12 \\ \hline \end{array}$$

$$\frac{37}{-25}$$

$$88 - 32$$

$$\begin{array}{r} 35 \\ -23 \\ \hline \end{array}$$

$$\begin{array}{c} 8 \ 6 \\ -3 \ 2 \end{array}$$

$$\begin{array}{r} 64 \\ -23 \end{array}$$

Lesson 1.5 Adding 2-Digit Numbers (with renaming)

Add the ones. Rename 12 as 10 + 2.

Add the tens.

$$\frac{37}{+25}$$

addend addend sum

Add.

$$\begin{array}{c} 2 \ 6 \\ + \ 2 \ 8 \end{array}$$

Lesson 1.6 Subtracting 2-Digit Numbers (with renaming)

Subtract the ones. Rename 52 as "4 tens and 12 ones." Subtract the ones.

Subtract the tens.

$$\frac{\cancel{5}\cancel{2}}{\cancel{5}\cancel{2}}$$
 $\frac{-19}{3}$

$$\frac{\cancel{5} \cancel{2}}{\cancel{5} \cancel{2}}$$
 -19

minuend subtrahend difference

1.
$$\frac{30}{-22}$$

$$\begin{array}{r} 86 \\ -27 \\ \hline \end{array}$$

Lesson 1.7 Adding Three Numbers

Add the ones.

Add the tens.

Add.

$$\begin{array}{c} 2\ 6 \\ 2\ 3 \\ +\ 3\ 5 \end{array}$$

Lesson 1.8 Addition and Subtraction Practice

Add or subtract.

(

b

C

d

е

f

I.

 $\begin{array}{c} 7\ 6 \\ +\ 2\ I \end{array}$

8 2 - I 9

1 6 + 3 5 76 -30

2.

3.

4. 86

5.

Lesson 1.9 Problem Solving

SHOW YOUR WORK

Solve each problem.

I. Philip has 52 marbles. His friend, Edgar, has 39 marbles. How many marbles do they have in all?

Philip has _____ marbles.

Edgar has _____ marbles.

They have _____ marbles in all.

2. Susan has 3 cats. George has 23 fish. Maria has 2 birds. How many pets do they have together?

Susan has _____ cats.

George has _____ fish.

Maria has _____ birds.

Together they have _____ pets.

3. Mr. Williams' third-grade class has 27 students. Mrs. Nakagawa's third-grade class has 31 students. How many third-grade students are there?

Mr. Williams has ______ students.

Mrs. Nakagawa has _____ students.

Together, there are ______ students.

4. There are 36 adults and 17 children at the movie theater. How many people are at the movie theater?

There are _____ people at the movie theater.

5. Kyle has 77 baseball trading cards. If Omar gives Kyle 13 baseball trading cards, how many trading cards will Kyle have?

Kyle will have _____ baseball trading cards.

1.

2.

3.

4. 5.

Lesson 1.10 Problem Solving

SHOW YOUR WORK

Solve each problem.

I. Mrs. Lopez has 32 rose bushes in her garden. If 14 are not blooming, how many are blooming?

Mrs. Lopez has _____ rose bushes in her garden.

There are _____ bushes that are not blooming.

There are _____ bushes that are blooming.

2. Tamika has 15 cousins. If 11 of her cousins are girls, how many of her cousins are boys?

Tamika has _____ cousins.

She has _____ cousins who are girls.

Tamika has _____ cousins who are boys.

3. There are 76 seats on the plane. There are 62 passengers on the plane. How many empty seats are on the plane?

There are _____ seats on the plane.

There are _____ passengers.

There are _____ empty seats on the plane.

4. There are 56 books on the bookshelf. If 39 are not mystery books, how many are mystery books?

There are _____ mystery books on the bookshelf.

5. My book has 38 pages in it. If there are 12 pages that have pictures, how many pages do not have pictures?

There are _____ pages in the book that do not have pictures.

1.

2.

3.

4.





Check What You Learned

Adding and Subtracting 1- and 2-Digit Numbers (with renaming)

Add.

$$\begin{array}{c} 8 \ 5 \\ - 4 \ 5 \end{array}$$



Check What You Learned

SHOW YOUR WORK

Adding and Subtracting 1- and 2-Digit Numbers (with renaming)

Solve each problem.

9. At an air show there were 32 airplanes in the sky. If 15 airplanes landed, how many were still in the sky?

There were _____ airplanes still in the sky.

10. One bag of rocks weighs 15 pounds. Another bag of rocks weighs 23 pounds. How much do both bags of rocks weigh?

Together, the bags of rocks weigh ______pounds.

11. There were 46 people at the train station. Then, 27 people got on the train. How many people are still at the train station?

There are _____ people still at the train station.

12. Sally has 32 cupcakes. She gave cupcakes to 16 people. How many cupcakes does she have left?

Sally has _____ cupcakes left.

13. The car dealer had 17 model cars. Yesterday, he sold 9 of the model cars. How many model cars does he have left?

The car dealer has _____ model cars left.

14. Beatrix had invited 26 people to her party. Only 9 people could not come to the party. How many people will be at Beatrix's party?

There will be _____ people at Beatrix's party.

9.

10.

11.

12.

13.





Check What You Know

Adding and Subtracting 2- and 3-Digit Numbers (with renaming)

Add.

$$\begin{array}{c} 1 \; 9 \; 2 \\ + \; 7 \; 7 \; 5 \end{array}$$

$$423 + 176$$

$$\begin{array}{c} 763 \\ -321 \end{array}$$



Check What You Know

SHOW YOUR WORK

Adding and Subtracting 2- and 3-Digit Numbers (with renaming)

Solve each problem.

9. Kurt has saved 29 dollars to buy a remote control car. The remote control car that he wants to buy costs 43 dollars. How much more money does he need to save?

Are you to add or subtract?

He will need to save _____ more dollars.

10. Latisha sold 36 candy bars on Friday and 45 candy bars on Saturday. How many candy bars did she sell in all?

Are you to add or subtract?

Latisha sold _____ candy bars in all.

II. Harry had 57 pennies and 16 dimes. How many coins does he have?

Are you to add or subtract?

He has _____ coins.

12. Tawna has 253 pennies. Shawn has 146 pennies. How many more pennies does Tawna have than Shawn?

Tawna has _____ more pennies than Shawn.

13. The team sold 453 tickets for the game. There were 249 adult tickets sold. How many children's tickets were sold?

The team sold _____ children's tickets.

9.

10.

11.

12.

Lesson 2.1 Adding 2-Digit Numbers

Add the ones.

Add the tens.

$$75 \\ +66 \\ \hline 5 + 6 = 11$$

Add.

$$\begin{array}{c} 8 \ 7 \\ + \ 2 \ 7 \end{array}$$

$$\begin{array}{c} 2\ 3 \\ +\ 9\ 2 \end{array}$$

$$\begin{array}{c} 2\ 3 \\ +\ 6\ 3 \end{array}$$

$$\begin{array}{c} 8\ 2 \\ +\ 5\ 7 \end{array}$$

Solve each problem.

 Sarah earned 58 dollars last week from her paper route. This week she earned 47 dollars. How much money did she earn for both weeks combined?

She earned _____ dollars last week.

She earned _____ dollars this week.

She earned _____ dollars for both weeks combined.

2. Eduardo has 72 dollars in his savings account. How much money will be in his savings account if he deposits 43 dollars today?

He has _____ dollars.

He will deposit _____ dollars.

He will have a total of _____ dollars in his savings account.

3. Flo read a book with 92 pages. Sofia read a book with 87 pages. How many pages did they both read?

Flo read _____ pages.

Sofia read _____ pages.

Together they read _____ pages.

4. At the wedding reception there were 77 adults and 52 children. How many people were at the wedding reception?

There were _____ adults.

There were _____ children.

There were _____ people at the wedding reception.

2.

3.

Lesson 2.2 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.

$$\frac{\cancel{2}5}{-84}$$

$$\frac{\cancel{12}}{-84}$$

minuend subtrahend difference

Lesson 2.2 Subtracting 2 Digits from 3 Digits

Rename 5 tens and 3 ones as "4 tens and 13 ones."

Subtract the ones. Rename I hundred and 4 tens as "14 tens."

Subtract the tens.

Subtract.

Ι.

b 175

d

2. 174

3. 101 - 75

4. 141 63

5. 100 72

172 6. 87

Lesson 2.2 Subtracting 2 Digits from 3 Digits

Lesson 2.2 Problem Solving

SHOW YOUR WORK

Solve each problem.

1. There are 119 houses on Green Street. The postal carrier has only 57 flyers to deliver to Green Street. How many more flyers does he need?

The postal carrier needs ______ flyers in all.

He has _____ flyers.

He needs _____ more flyers.

2. There are 162 days of school in a school year. This year, David has gone to school for 54 days. How many more days will David need to go to school?

There are _____ days of school.

David has gone to _____ days of school.

David needs to go to school for ______ more days.

3. Ivanna has 117 pennies. She buys a candy bar for 59 pennies. How many pennies does she have left?

Ivanna has _____ pennies.

She spent _____ pennies.

She has _____ pennies left.

4. There are 153 students in third grade. If 62 students did not go on the field trip to the zoo, how many students did go on the field trip?

There are ______ students in the third grade.

_____ students did not go on the field trip.

_____ students went on the field trip.

Ι.

2.

3.

Lesson 2.3 Adding 3-Digit Numbers

	7	5	5
+	4	6	9

Add the

ones.

Add the

Add the hundreds.

Add.

$$720 + 850$$

$$820 + 431$$

$$\begin{matrix}7&3&8\\+&3&8&7\end{matrix}$$

Lesson 2.3 Problem Solving

SHOW YOUR WORK

Solve each problem.

I. At the basketball game, 232 adult tickets were sold and 179 children's tickets were sold. How many tickets were sold for the basketball game?

There were _____ adult tickets sold.

There were _____ children's tickets sold.

There were ______ total tickets sold.

2. At the local elementary school there are 543 boys and 476 girls. How many total students are there?

There are _____ boys.

There are _____ girls.

There are ______ total students.

3. Mr. Gomez has 639 blue tiles and 722 green tiles. How many blue and green tiles does Mr. Gomez have?

Mr. Gomez has _____ blue tiles.

He has _____ green tiles.

He has _____ blue and green tiles.

4. The shoe store has 324 pairs of athletic shoes and 187 pairs of sandals. How many athletic shoes and sandals does the shoe store have in all?

There are _____ pairs of athletic shoes.

There are _____ pairs of sandals.

There are _____ pairs of athletic shoes and sandals in all.

1.

2.

3.

Lesson 2.4 Subtracting 3-Digit Numbers

Rename 2 tens and I one as "I ten and II ones." Then, subtract the ones.

Rename 6 hundreds and I ten as "5 hundreds and II tens." Then, subtract the tens.

Subtract the hundreds.

$$\frac{62X}{-259}$$

$$\frac{\cancel{5}\cancel{2}\cancel{1}}{\cancel{5}\cancel{2}\cancel{2}}$$

$$\frac{5}{\cancel{2}\cancel{x}}$$
 minuend $\frac{-259}{362}$ subtrahend

$$876 \\
-357$$

$$958 - 637$$

$$\begin{array}{r} 863 \\ -692 \end{array}$$

$$\begin{array}{c} 582 \\ -357 \end{array}$$

Lesson 2.4 Problem Solving

SHOW YOUR WORK

Solve each problem.

1. There are 990 seats at the stadium. If there are 587 people at the stadium, how many empty seats are there?

There are ______ stadium seats.

There are _____ people.

There are _____ empty seats.

2. A bicycle cost 530 dollars. There is a rebate for 147 dollars. How much will the bike cost after the rebate?

The bicycle costs _____ dollars.

The rebate is _____ dollars.

The cost of the bicycle after the rebate is

_____ dollars.

3. There were 600 green and yellow paper clips in the package. If 230 were green, how many were yellow?

There were a total of _____ paper clips.

There were _____ green paper clips.

There were _____ yellow paper clips.

4. The ice-cream store sold 349 scoops of ice-cream on Monday. The store sold 178 scoops of ice-cream on Tuesday. How many more scoops did the store sell on Monday?

The ice-cream store sold _____ more scoops on Monday than on Tuesday.

5. Last year, Randy received a set of 360 toy cars. This year, Randy counted only 163 toy cars in his set. How many toy cars had Randy lost?

Randy lost ______ toy cars.

١.

2.

3.

4.

Lesson 2.5 Thinking Subtraction for Addition

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

$$\begin{array}{c|c}
2 \mid 5 \\
+ \mid 0 \mid 9 \\
\hline
3 \mid 2 \mid 4 \\
\hline
- \mid 0 \mid 9 \\
\hline
2 \mid 5
\end{array}$$
These should be the same.

Add. Check each answer.

$$603$$

 $+209$

Lesson 2.6 Thinking Addition for Subtraction

To check 982 - 657 = 325add 657 to 325.

$$\begin{array}{c|c}
982 \\
-657 \\
\hline
325 \\
+657 \\
\hline
982
\end{array}$$
These should be the same.

Subtract. Check each answer.

$$687$$
 -250

$$728$$
 -530

Lesson 2.7 Addition and Subtraction Practice

Add or subtract.

a

b

86

+93

132

d

543

-121

f

2.

Ι.

3.

4.

5.

6.

7.

8.

$$\begin{array}{c} 192 \\ +210 \end{array}$$

Lesson 2.7 Addition and Subtraction Practice

Add or subtract.

a

е

f

b

C

d

$$\begin{array}{c} 5 \ 8 \ 2 \\ + \ 5 \ 2 \ 9 \end{array}$$

$$386 + 503$$

$$386 + 205$$

$$\begin{array}{c} 1\ 3\ 8 \\ +\ 4\ 9\ 3 \end{array}$$

$$\begin{array}{c} 2\ 0\ 5 \\ +\ 4\ 7\ 2 \end{array}$$

$$\begin{array}{c} 683 \\ -541 \end{array}$$

$$\begin{array}{c} 1 \ 3 \ 0 \\ + \ 2 \ 1 \ 0 \end{array}$$





Check What You Learned

Adding and Subtracting 2- and 3-Digit Numbers (with renaming)

Add.

$$\begin{array}{c} 1 \ 2 \ 3 \\ + \ 5 \ 9 \ 2 \end{array}$$

Subtract.

$$753$$
 -268



Check What You Learned

SHOW YOUR WORK

Adding and Subtracting 2- and 3-Digit Numbers (with renaming)

Solve each problem.

9. For a game of checkers, 24 checkers are needed. There are only 18 checkers in the box. How many checkers are missing?

There are _____ checkers missing.

IO. An adult has 32 teeth. A child has 24 teeth. How many more teeth does an adult have?

An adult has _____ more teeth than a child.

II. Sam weighed 232 pounds. He lost 13 pounds. How much does Sam weigh now?

Sam weighs _____ pounds.

12. Alvin has 532 pennies. Regina has 691 pennies. How many pennies do they have together?

Alvin and Regina have _____ pennies together.

13. Mr. Ito is 53 years old. His daughter, Kimi, is 25. How much older is Mr. Ito than his daughter?

Mr. Ito is _____ years older than his daughter.

14. Mr. and Mrs. Acosta have been married for 47 years. Mrs. Acosta was 29 when she married Mr. Acosta. How old is Mrs. Acosta now?

Mrs. Acosta is _____ years old.

9.

10.

11.

12.

13.



Check What You Know

Adding and Subtracting to 4-Digit Numbers (with renaming)

Add or subtract.

Ι.

b

C

d

2.

190

420

5 | 9

423 52 I +747

$$5032 + 1764$$

$$5803$$
 -1992

Round each number to the place named.

7.

a 543 tens

b

867 hundreds

C 479

tens

d

962 hundreds



Check What You Know

SHOW YOUR WORK

Adding and Subtracting to 4-Digit Numbers (with renaming)

Solve each problem.

8. Gerod has 5 birds, 3 turtles, 2 hamsters, and I dog. How many pets does he have?

Gerod has _____ pets.

9. Oleta has 19 dimes, 27 quarters, 153 pennies, and 6 nickels. How many coins does she have?

Oleta has _____ coins.

10. In the year 1998, an antique vase was 239 years old. In what year was the vase made?

The vase was made in the year _____.

II. During his walk each day, Paul counted his steps. In 4 days, he walked 420, 980, 642, and 760 steps. How many steps did he walk?

Paul walked _____ steps in 4 days.

12. James received 100 dollars for his birthday. He spent 63 dollars of it on two computer games. Estimate how much money he has left.

James has about _____ dollars left.

13. At a basketball game, one team scored 36 points. The other team scored 27 points. Estimate the total points scored in the game.

There were a total of about _____ points scored in the basketball game.

8.

9.

10.

11.

12.

13.

38

Lesson 3.1 Adding 3 or More Numbers (1- and 2-digit)

Add the ones.

Add the tens.

Add.

Lesson 3.1 Problem Solving

SHOW YOUR WORK

Solve each problem.

I. The bubble gum dispenser has 23 blue gumballs, 16 red gumballs, 14 yellow gumballs, and 7 green gumballs. How many gumballs are in the dispenser?

There are ______ blue gumballs.

There are _____ red gumballs.

There are _____ yellow gumballs.

There are _____ green gumballs.

There are _____ gumballs in the dispenser.

2. In the fruit basket there are 9 apples, 6 bananas, and 7 oranges. How many pieces of fruit are in the fruit basket?

There are _____ apples.

There are _____ bananas.

There are _____ oranges.

There are _____ pieces of fruit in the basket.

3. Mr. Williams is 53 years old. Mrs. Williams is 44 years old. Their son is 18 years old. What is the combined total of the ages of the Williams family?

Mr. Williams is _____ years old.

Mrs. Williams is _____ years old.

Their son is _____ years old.

The total of their ages is _____ years.

4. When Hailey went shopping for school supplies, she bought a calculator for 14 dollars, a package of paper for 5 dollars, a calendar for 3 dollars, and a package of pens for 3 dollars. How much did Hailey spend on school supplies?

Hailey spent _____ dollars on school supplies.

2.

3.

Lesson 3.2 Adding 3 or More Numbers (3-digit)

Add the ones.

Add the tens.

Add the hundreds.

$$\begin{array}{r}
231 \\
457 \\
+625 \\
\hline
3
\end{array}$$

Add.

$$\begin{array}{c} 2\,0\,0\\ 3\,0\,0\\ +\,6\,0\,0 \end{array}$$

$$\begin{array}{c} 1 \; 8 \; 0 \\ 2 \; 4 \; 0 \\ + \; 3 \; 0 \; 3 \end{array}$$

$$750$$
 400
 $+203$

Solve each problem.

1. Joe earned 135 dollars during his first week of work. He earned 213 dollars during his second week of work. He earned 159 dollars during his third week of work. How much money did Joe earn during the three weeks that he worked?

Joe earned _____ dollars during his first week.

Joe earned _____ dollars during his second week.

Joe earned ____ dollars during his third week.

Joe earned _____ dollars for all 3 weeks of work.

2. On the first floor of a 3-story apartment building, there are 186 apartments occupied. On the second floor, there are 175 apartments occupied. On the third floor, there are 182 apartments occupied. How many apartments are occupied in all?

There are ____ apartments occupied on the first floor.

There are ____ apartments occupied on the second floor.

There are ____ apartments occupied on the third floor.

There are ____ apartments occupied in all.

3. The following numbers of students attend four different schools: 543, 692, 487, and 603. How many students attend all four schools?

_ students attend all four schools.

4. In a book, chapter I has II2 pages and chapter 2 has 119 pages. Chapter 3 has 103 pages and chapter 4 has 108 pages. How many pages are in the book?

There are ____ pages in the book.

Ι.

2.

3.

Lesson 3.3 Adding 4-Digit Numbers

	Add the ones.	Add the tens.	Add the hundreds.	Add the thousands.	
3746 +5899	37 ¹ 46 +5899	3 7 4 6 + 5 8 9 9	3746 +5899	3746 +5899	
	5	4 5	6 4 5	9645	

Add.

Lesson 3.3 Problem Solving

SHOW YOUR WORK

Solve each problem.

I. Two local high schools have 1,523 students and 1,695 students. How many students are there at both high schools together?

One high school has _____ students.

The other high school has _____students.

There are a total of ______ students at both high schools.

2. Monica started at an elevation of 1,200 feet for her hiking trip. She hiked up the mountain for 1,320 feet in elevation. How high did she hike?

Monica started at ______ feet in elevation.

She hiked _____ feet in elevation.

She hiked up to an elevation of _____ feet.

3. Steve has a coin worth 1,050 dollars. He has another coin worth 1,072 dollars. How much are both coins worth?

Both coins are worth _____ dollars.

4. Roy ran 1,100 yards as a running back during his junior year of high school. During his senior year of high school, he ran 1,500 yards as a running back. How many yards did he run in both years combined?

Roy ran a total of _____ yards for both his junior and senior year of high school.

Ι.

2.

3.

Lesson 3.4 Subtracting to 4 Digits

Subtract the ones.

Rename 4 hundreds and 3 tens as "3 hundreds and 13 tens." Subtract the tens. Rename 5 thousands and 3 hundreds as "4 thousands and 13 hundreds." Subtract the hundreds. Subtract the thousands.

$$\begin{array}{rrr}
5437 & 5437 \\
-1592 & -1592 \\
\hline
5
\end{array}$$

Subtract.

$$\begin{array}{r}
 9865 \\
 -2382 \\
 \hline
 7483
\end{array}$$

982

$$\begin{array}{r}
 8762 \\
 - 682
 \end{array}$$

$$7863$$
 -2572

$$8716$$
 -5823

$$3287$$
 -395

Lesson 3.4 Problem Solving

SHOW YOUR WORK

Solve each problem.

I. There are 2,532 students at the school. 1,341 are girls. How many are boys?

There are _____ students.

There are _____ girls.

There are ______boys.

2. In 2013, the average rent for a house was 1,250 dollars per month. In 1944, the average rent for a house was 495 dollars per month. How much higher was the rent in 2013 than in 1944?

Rent in 2013 was _____ dollars per month.

Rent in 1944 was _____ dollars per month.

Rent in 2013 was _____ dollars per month higher than in 1944.

3. In the year 1986, Mrs. Olveras turned 103 years old. In what year was she born?

In the year _____,

Mrs. Olveras turned _____ years old.

Mrs. Olveras was born in ______.

4. In the year 1996, Mr. Smith's car was considered a classic. The car was made in 1942. How old is Mr. Smith's car?

Mr. Smith's car is _____ years old.

5. Kayla wants to visit her grandmother who lives 2,583 miles away. The airplane will only take her 2,392 miles toward her destination. Kayla needs to rent a car to drive the remaining miles. How many miles does Kayla need to drive?

Kayla would need to drive _____ miles.

Ι.

2.

3.

4. 5.

Lesson 3.5 Rounding

The steps for rounding are:

- 1) Look at the digit one place to the right of the digit you wish to round.
- 2) If the digit is less than 5, leave the digit in the rounding place as it is, and change the digits to the right of the rounding place to zero.
- 3) If the digit is 5 or greater, add 1 to the digit in the rounding place, and change the digits to the right of the rounding place to zero.

Round 5,432 to the nearest hundred. 4 is in the hundreds place. Look at the 3. Do not change the 4. 5,432 rounded to the nearest hundred is 5,400.

Round each number to the nearest ten.

Ι.

2.

- 963 <u>960</u> 154 _____ 186 ____ 4,031 ____
- 125 ____130 ___ 3,452 _____ 8,657 _____ 7,987 _____

Round each number to the nearest hundred.

- 8,765 _____ 986 ____ 3,250 ____ 7,913 ____ 3.
- - 842 _____ 4,370 ____

Round each number to the place named.

507 _____ 1,349 _____

d

- 8.576 **5.** hundreds
- 1,930 hundreds

364 tens

1.543 tens

- 1.886 6. hundreds
- 765 tens

- 863 hundreds
- 86 tens

- **7.** 451 tens
- 8,713 tens
- 472 hundreds
- 5,325 tens

- 3,651 8. hundreds
- 123 tens
- 486 tens

2,356 hundreds

Lesson 3.5 Rounding

Round each number to the place named.

1. 543 tens 867 hundreds

479 tens d 962 tens

2. 5,678 hundreds

9,654 tens 4,432 hundreds 1,605 tens

3. 592 hundreds

86 tens

5,432 hundreds 981 tens

4. 4,932 tens

9,651 hundreds 596 hundreds 720 hundreds

5. 1,081 hundreds

7,090 tens 7,446 tens 1,143 tens

6. 4,599 tens

3,923 hundreds 5,103 tens 638 hundreds

7. 85 tens

963 tens

7,732 hundreds 541 tens

8. 326 hundreds

717 tens 148 tens 823 hundreds

Lesson 3.6 Estimating Addition

Round each number to the highest place value the numbers have in common. Then, add from right to left.

$$\begin{array}{c}
194 \longrightarrow 190 \\
+76 \longrightarrow +80 \\
\hline
270
\end{array}$$

The highest place value for 194 and 76 is the tens place. Round 194 and 76 to the tens place. Add.

The highest place value for 203 and 196 is the hundreds place. Round 203 and 196 to the hundreds place. Add.

Estimate each sum.

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

$$\begin{array}{rr} 4679 \\ + 578 \end{array}$$

Lesson 3.6 Problem Solving

SHOW YOUR WORK

Solve each problem by using estimation.

I. Kirima read 534 pages last week and 352 pages this week. About how many pages did Kirima read?

Kirima read about _____ pages.

2. Tim has 13 dollars. James has 15 dollars. About how many dollars do they have together?

Tim and James have about _____ dollars together.

3. Mr. Hwan had 532 dollars in his savings account before he made a deposit of 259 dollars. About how much money does he have in his savings account now?

Mr. Hwan has about _____ dollars in his savings account now.

4. Mrs. Luna is 43 years old. Mrs. Turner is 52 years old. Mrs. Rockwell is 39 years old. About how much is their combined age?

Their combined age is about _____ years.

5. Marla bought 4 boards at the home center. The boards were 86, 103, 152, and 161 inches long. About how many inches of boards did Marla buy?

Marla bought about _____ inches of boards.

١.

2.

3.

4.

Lesson 3.7 Estimating Subtraction

Round each number to the highest place value the numbers have in common. Then, subtract from right to left.

$$\begin{array}{c}
236 \longrightarrow 240 \\
-49 \longrightarrow -50 \\
\hline
190
\end{array}$$

The highest place value for

The highest place value for 236 and 49 is the tens place. Round 236 and 49 to the tens place. Subtract.

The highest place value for 396 and 287 is the hundreds place. Round 396 and 287 to the hundreds place. Subtract.

Estimate each difference.

$$\begin{array}{rr} 760 \\ - 32 \end{array}$$

$$\begin{array}{c}
543 \\
-290 \\
\hline
200
\end{array}$$

Lesson 3.7 Problem Solving

SHOW YOUR WORK

Solve each problem by using estimation.

I. Fred had 39 dollars. He gave 23 dollars to Kim. About how much money does Fred have left?

Fred has about _____ dollars left.

2. There are 186 apartments in an apartment building. 92 are not rented. About how many apartments are rented?

There are about _____ rented apartments.

3. Sue wants to buy a bicycle for 560 dollars. She has 430 dollars. About how much more money does she need to buy the bicycle?

Sue needs about _____ more dollars to buy the bicycle.

4. At the theater, 98 adult tickets were sold. If 210 tickets were sold, about how many children's tickets were sold?

About _____ children's tickets were sold.

5. Kelly bought a roll of cloth 197 inches long. She cut 85 inches off the roll to use in a project. About how many inches did she have left on the roll?

Kelly had about _____ inches left on the roll.

١.

2.

3.

4.

5.

52

Chapter 3, Lesson 7





Check What You Learned

Adding and Subtracting to 4-Digit Numbers (with renaming)

Add or subtract.

1. 23 | 13 | +27 8 36 +45

20 35 +47

2.

$$\begin{array}{r} 8764 \\ + 492 \end{array}$$

$$9870 \\ -5380$$

$$7653$$
 -482

$$9784 \\ -6592$$

6.

$$\begin{array}{rr} 4327 \\ - 940 \end{array}$$

Round each number to the place named.

7.

592 hundreds b

86 tens 432 hundreds d 981 tens



Check What You Learned

SHOW YOUR WORK

Adding and Subtracting to 4-Digit Numbers (with renaming)

Solve each problem.

8. Jerry has 37 red marbles, 42 blue marbles, 13 black marbles, and 23 yellow marbles. How many marbles does Jerry have?

Jerry has _____ marbles.

9. In the year 1976, Mrs. Lopez was 82 years old. In what year was she born?

Mrs. Lopez was born in ______.

10. Estella is 23 years old, Lydia is 27 years old, Toni is 42 years old, and Mai is 18 years old. What are their combined ages?

Their combined ages equal _____ years.

II. Marty earned 586 dollars one week at his job and 432 dollars the next week. Estimate about how much money Marty earned for both weeks.

Marty earned about _____ dollars for both weeks.

12. Holly needs to make 72 cookies for the school bake sale. She has already made 37 cookies. Estimate about how many more cookies she needs to make.

Holly needs to make about _____ more cookies. 8.

9.

10.

11.

Mid-Test Chapters 1–3

Add or subtract.

a

5 +3 b

C

d

•

$$\begin{array}{c} 6\ 3\ 2 \\ +\ 4\ 8\ I \end{array}$$

Mid-Test Chapters 1–3

Add or subtract.

+2862

$$\begin{array}{c} 4\ 3\ 2\ I \\ +\ 2\ 6\ 4\ 2 \end{array}$$

$$\begin{array}{rrr} 7\,9\,8\,0 \\ - & 9\,9\,0 \end{array}$$

$$8764$$
 -3873

Round each number to the place named.

13.

14.

15.

18.

17.

19.

21.

Solve each problem.

17. Marcella has a dog-walking business. She walked 12 dogs on Thursday, 15 dogs on Saturday, and 9 dogs on Sunday. How many dogs did Marcella walk altogether?

Marcella walked _____ dogs altogether.

18. Last week, the ice cream shop sold 188 hot fudge sundaes, 54 chocolate sundaes, and 62 strawberry sundaes. How many more hot fudge sundaes did the store sell than chocolate and strawberry combined?

The store sold _____ more hot fudge sundaes than all the others combined.

19. Owen is going to visit his aunt. He travels 278 miles on Saturday. He travels 81 miles farther on Sunday than he did on Saturday. How many miles did Owen travel on Sunday?

Owen traveled _____ miles on Sunday.

20. Delany's favorite book is *Trees in the Breeze*. The book has 85 pages of text and 145 pages of pictures. If Delany is on page 197, how many pages are left?

There are _____ pages left.

21. Joey is running a 26-mile marathon. Joey takes a break after 4 miles. He then runs 8 miles more. How many miles does Joey have left to run?

Joey has _____ miles left to run.

22. Jasper visited the zoo and saw 45 lizards, snakes, and turtles altogether. If he saw 12 lizards and 26 snakes, how many turtles did Jasper see?

Jasper saw _____ turtles.

Mid-Test Chapters 1–3

SHOW YOUR WORK

Solve each problem.

23. Sarah has 50 marbles and Jessie has 63 marbles. How many marbles do they have together?

Sarah and Jessie have _____ marbles together.

24. A pencil costs 48 cents and a package of gum costs 29 cents. Estimate about how much the pencil and the package of gum cost together.

The pencil and the package of gum cost about ____ cents.

25. Gloria has saved 329 dollars. If she spends 58 dollars, how much money will she have left?

Gloria will have _____ dollars left.

26. Tito read 320 pages in a book. Akando read 323 pages in a book. Kenji read 313 pages in a book. How many pages did they read?

Tito, Akando, and Kenji read _____ pages.

27. In the year 1983, Mr. Smith was 94 years old. In what year was he born?

Mr. Smith was born in the year _____.

28. Tobias had 53 baseball cards. He gave his friends 28 of the baseball cards. Estimate how many baseball cards Tobias has left.

Tobias has about _____ baseball cards left.

29. Thirteen students from Mrs. Daley's class want to go camping. Eighteen students from Mrs. Campbell's class want to go camping. Estimate many students want to go camping altogether.

About _____ students want to go camping all together.

23. 24.

25. 26.

27. 28.



Check What You Know

Multiplication

Multiply.

$$\frac{5}{\times 3}$$

$$\begin{array}{c} 2\ 0 \\ \times \end{array}$$

$$\begin{array}{c} 3\ 0 \\ \times \\ 3 \end{array}$$

$$\begin{array}{c} 8\ 0 \\ \times \end{array}$$

$$\begin{array}{c} 50 \\ \times 2 \end{array}$$

$$\begin{array}{c} 5\,0 \\ \times \quad I \end{array}$$



Check What You Know

SHOW YOUR WORK

Multiplication

Make a mental computation first. Then, solve each problem.

10. John bought two 40-cent stamps. How many cents did John spend on stamps?

10.

Mental computation: _____

The stamps cost _____ cents.

11. A clown had 10 balloons that he sold at a carnival for 6 cents each. If he sold all 10 balloons, how much money did he make?

Mental computation:

The clown made _____ cents.

11.

Solve each problem.

12. The movie rental store charges 3 dollars to rent each movie. Miss Padilla rents 5 movies. How much will the movie rental store charge her?

The movie rental store will charge Miss Padilla

_____ dollars.

13. Sally wants to buy 3 stickers. The stickers each cost 20 cents. How much will Sally spend on the 3 stickers?

Sally will spend _____ cents on the 3 stickers.

12.

13.

60

Lesson 4.1 Understanding Multiplication

five times three 5×3 means 5 + 5 + 5 5×5 factor 5×3 factor 5×3

Multiply. Write the corresponding addition problem next to each multiplication problem.

7 ×2 6 ×2 9 ×2

8 ×2

2. 2 ×2 $\frac{1}{\times 2}$

5 ×3 6 ×3 3 ×3

3. 2×3

| |×3 4 ×3 7 ×3

2 ×4

4. 4 × 4

| | | | | 5 ×4 9 ×4

8 ×4

5. 3 ×4 4 ×2 5 ×2 8 ×3

9 ×3

6. 6 ×4 7 ×4 ${\stackrel{\scriptstyle 3}{\times}}{^2}$

 $\begin{array}{c} 7 \\ \times 3 \end{array}$

9 ×2

Lesson 4.2 Multiplying through 5×5

5-column Χ factor Find the 3-row. Find the **5**-column. factor T 5 The product is product 3-row named where the 3-row and the 5-column meet.

Multiply.

$$\frac{\times 5}{10}$$

$$\begin{array}{c} \mathbf{5.} & 0 \\ \times 2 \end{array}$$

 $\times 1$

$$\frac{1}{\times 3}$$

 $\times 5$

$$\frac{2}{\times 2}$$

d

 $\times 4$

$$\frac{0}{\times 3}$$

 \times 4

$$\begin{array}{ccc}
5 & 5 \\
\times 5 & \times 0
\end{array}$$

$$\frac{0}{\times 0}$$

$$\frac{3}{\times 3}$$

 $\times 3$

$$\times 0$$

$$\begin{array}{c} 2 \\ \times 4 \end{array}$$

Lesson 4.3 Problem Solving

SHOW YOUR WORK

Solve each problem.

I. Ian has 4 bags. He puts 5 marbles in each bag. How many marbles are there in all?

Ian has _____ bags.

Each bag has _____ marbles.

There are _____ marbles in all.

2. Jennifer jumped over 3 rocks. She jumped over each rock 2 times. How many times did she jump in all?

There are _____ rocks.

Jennifer jumped over each rock ______ times.

She jumped _____ times in all.

3. There are 4 pots of flowers. There are 2 flowers in each pot. How many flowers are there in all?

There are _____ pots.

Each pot has _____ flowers.

There are ______ flowers in all.

Ι.

2.

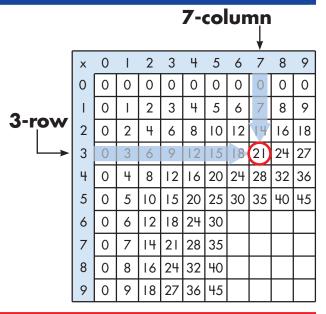
3.

Write a word problem to fit each number sentence. Solve.

Lesson 4.4 Multiplying through 5 x 9

factor $3 \longrightarrow \text{Find the } 3\text{-row.}$ factor $\times 7 \longrightarrow \text{Find the } 7\text{-column.}$ product $2 \ \text{I} \longrightarrow \text{The product is}$

The product is named where the 3-row and the 7-column meet.



Multiply.

1. 5×0

3 ×9 6 ×5

| I | <u>×</u>4

5 × I 6 ×3

2. 9 ×2 8 ×5

5 ×8 0 ×0 2 ×9 3 ×4

3. 4 ×6

 $\frac{7}{\times 3}$

6 × I

7 ×2

3 ×5 4 ×1

4. 6 × 2

5 ×5 9 × I

2 ×4 3 ×7 7 ×0

5. 0 ×9

3 ×6 7 ×5 5 ×6

3 ×2 ¥ ×2

6. 7 × 4

3 ×3

| |<u>×</u>9 2 ×7 0 ×6 $\times 3$

Lesson 4.5 Multiplying through 9 x 9

factor factor product

Find the 6-row. Find the 8-column.

The product is named where the 6-row and the 8-column meet.

6-row

										\downarrow	
	х	0	I	2	3	4	5	6	7	8	9
	0	0	0	0	0	0	0	0	0	0	0
	1	0	-	2	3	4	5	6	7	8	9
	2	0	2	4	6	8	10	12	14	16	18
	3	0	3	6	9	12	15	18	21	24	27
_	4	0	4	8	12	16	20	24	28	32	36
V	5	0	5	10	15	20	25	30	35	40	45
-	6	0	6	12	18	24	30	36	42	48	54
	7	0	7	14	21	28	35	42	49	56	63
	8	0	8	16	24	32	40	48	56	64	72
	9	0	9	18	27	36	45	54	63	72	81

8

5

4

6

 $\times 6$

8-column

Multiply.

Ι.

3

2. $\times 3$

3. 5

4. 3 $\times 1$

5. 3 $\times 8$

2 $\times 6$

7

 \times 6

8

 $\times 5$

4

×6

6

3

 \times 6

 $\times 4$

8

9

7

 $\times 6$

 $\times 2$

5

4

6

 $\times 8$

d

×9

3

 $\times 0$

 $\times 0$

3 $\times 4$

9

 $\times 9$

 $\times 3$

8 $\times4$

5 $\times 3$

5 $\times 0$

2

0

5

×6

 $\times 9$

×9

6.

8 $\times 8$

9 $\times 3$

7 $\times 4$

8 $\times 0$

7 $\times 7$

Lesson 4.6 Problem Solving

SHOW YOUR WORK

Solve each problem.

1. Steven wants to buy 6 pieces of bubblegum. Each piece costs 5 cents. How much will he have to pay for the bubblegum?

Steven wants to buy _____ pieces of bubblegum.

One piece of bubblegum costs _____ cents.

Steven will have to pay _____ cents total.

2. There are 7 girls on stage. Each girl is holding 9 flowers. How many flowers are there in all?

There are _____ girls.

Each girl is holding _____ flowers.

There are _____ flowers in all.

3. There are 4 rows of desks. There are 8 desks in each row. How many desks are there in all?

There are _____ rows of desks.

There are _____ desks in each row.

There are _____ desks in all.

1.

2.

3.

Write a word problem to fit each number sentence. Solve.

Lesson 4.7 Multiplying by Multiples of 10

Multiply 0 ones by 4.

Multiply 7 tens by 4.

$$\frac{70}{\times 4}$$

$$\frac{70}{280}$$

Multiply.

1.
$$30 \times 3 \over 90$$

Lesson 4.7 Multiplying by Multiples of 10

Multiply.

a Ι. 20

5

b

50

C

10 × 3 d

e

f

2. 30 × 5

10 \times

30 \times 6

20 \times 2

70 \times 3

40 \times 3

3. 40

80 × 2

40 × 6

20 \times 7

50 × 6

50 × 5

4. 40

90

70 \times 5 40

30 \times 2

10 \times 8

70 **5.**

30

20

60

80

80

6. 50

90 × 7

30 \times |

90 \times 5

70 \times 0

20 \times 8

7. 90 \times 2

70 \times 8

60 × 9

70 \times 7

80 \times 8

80 \times 3

8. 50 × 7 90

30

90

80 \times 7

30 \times 7

Lesson 4.8 Problem Solving

SHOW YOUR WORK

Solve each problem.

I. Gary read 3 books with 60 pages each. How many | I. pages did he read in all?

There are _____ pages in each book.

Gary read _____ books.

Gary read _____ pages in all.

2. There are 4 classes at a school. Each class has 20 students. How many students are at the school?

There are ______ students in each class.

There are _____ classes.

There are students in the school.

3. Yolanda used up 4 rolls of stickers. If each roll has 30 stickers, how many stickers did she use in all?

Each roll has ______ stickers.

Yolanda used _____ rolls.

Yolanda used a total of _____ stickers.

4. During a game, 2 teams play against each other. There are 10 players on the field for each team. How many players are on the field during the game?

There are _____ players on the field.

5. There are 10 apples in each basket. If Mary buys 6 baskets, how many apples does she have?

Mary has _____ apples.

2.

3.

4. **5.**

Lesson 4.9 Two-Step Problem Solving SHOW YOUR WORK

Make a mental computation first. Then, solve the problem.

The PE teacher gave each team 6 basketballs and 6 tennis balls. If there were 5 teams, how many total balls did the PE teacher give out?

Each team gets 6 of each type of ball. I know that 6 times 5 is 30, so that is 30 basketballs and 30 tennis balls. Then, I can add the balls together, and 30 plus 30 is 60. So, there are 60 balls in all.

$$\begin{array}{c} 6 \\ \times 5 \\ \hline 30 \end{array} \qquad \begin{array}{c} 30 \\ +30 \\ \hline 60 \end{array}$$

Mental Computation: 60

Eight girls and 5 boys each have a button collection. Each girl has 8 buttons in her collection, and each boy has 4 buttons in his collection. How many buttons altogether do the boys and girls have?

Mental Computation:

The boys and girls have ______ buttons altogether.

2. There are 2 rows of 5 computers in each office. If there are 7 offices in the building, how many computers are in the building altogether?

Mental Computation:

There are _____ computers in the building.

3. Kayla bought 5 bags of dried mango slices. Each bag has 7 slices. How many mango slices does Kayla have left over after she gives away 10 slices?

Mental Computation:

Kayla has _____ mango slices left.

4. Jin bought 7 boxes of Mixed Mints and 4 boxes of Fudge Crunchies. Each Mixed Mints box has 10 cookies and each Fudge Crunchies box has 7. How many cookies does Jin have altogether?

Mental Computation: _____

Jin has _____ cookies altogether.

2.

3.





Check What You Learned

Multiplication

Multiply.

$$\frac{8}{\times 3}$$

$$\begin{array}{c} 60 \\ \times 2 \end{array}$$

$$\begin{array}{c} 2\,0 \\ \times 8 \end{array}$$

$$\times$$
 3 0 \times 3

$$\begin{array}{c} 1 \ 0 \\ \times 1 \ 0 \end{array}$$



Check What You Learned

SHOW YOUR WORK

Multiplication

Make a mental computation first. Then, solve each problem.

10. Kiri has 10 friends. She gave each friend 2 apples. How many apples did Kiri have?

Mental computation:

Kiri had _____ apples.

II. Each of Mr. Black's 4 daughters needs new shoes. Each pair of shoes will cost 30 dollars. How much money will Mr. Black spend on all 4 pairs of shoes?

П.

12.

13.

Mental computation:

Mr. Black will spend _____ dollars on the 4 pairs of shoes.

Solve each problem.

12. There are 30 students in each classroom. If there are 5 classrooms, how many total students are there?

There are a total of ______ students.

13. There are 7 friends that each have 2 dollars. How much money do the 7 friends have?

The friends have a total of _____ dollars.

14. There are a total of 20 students in Ms. Walker's class. If each student receives 4 papers, how many papers are there?

There are _____ papers in all.

14.

72



Check What You Know

Division

Divide.

a

b

C

d

e



Check What You Know

SHOW YOUR WORK

Division

Solve each problem.

10. There are 36 students who live in the college dormitory. If 4 students live in each room, how many rooms are there in the dormitory?

There are _____ rooms in the dormitory.

II. A package of 42 candies is evenly divided among 7 people. How many candies does each person receive?

Each person receives _____ candies.

12. A bookshelf contains 56 books. There are 7 shelves in the bookshelf. Each shelf has the same number of books on it. How many books are on each shelf?

There are _____ books on each shelf.

13. Eight people paid a total of 24 dollars for admission into the school carnival. If each ticket cost the same amount, how much did each ticket cost?

The cost of each ticket was _____ dollars.

14. A family of 5 takes an ice chest to the beach. There are 10 water bottles in the ice chest. How many water bottles will each person receive if each person receives the same number of water bottles?

Each person will receive _____ water bottles.

15. Eighteen fish were caught on a deep-sea fishing boat. If each person on the boat caught 2 fish, how many people were on the boat?

There were _____ people on the boat.

10.

11.

12.

13.

14. 15.

74

Check What You Know

Lesson 5.1 Understanding Division

means divide.

divisor → 3) 18 ← quotient

3) 18 is read "18 divided by 3 is equal to 6."

4) 1 2 is read "12 divided by 4 is equal to 3."

In)412, the divisor is 4, the dividend is 12, and the quotient is 3.

÷ also means divide.

 $10 \div 2 = 5$ dividend divisor quotient

 $10 \div 2 = 5$ is read "10 divided by 2 is equal to 5."

 $6 \div 3 = 2$ is read "6 divided by 3 is equal to 2."

In $6 \div 3 = 2$, the divisor is 3, the dividend is 6, and the quotient is 2.

Complete each sentence.

- 6) 1 2 is read "12 divided by 6 is equal to 2."
- 2. 8) 2 4 is read "____ divided by 8 is equal to ____."
- 3. 4) 3 6 is read "____ divided by 4 is equal to ____."
- 4. In 4)8, the divisor is ____, the dividend is ____, and the quotient is ____.
- 5. In 7)35, the divisor is ____, the dividend is ____, and the quotient is ____.
- **6.** 20 ÷ 5 = 4 is read "____ divided by 5 is equal to ____."
- 7. $27 \div 9 = 3$ is read "____ divided by 9 is equal to ____."
- 8. $6 \div 2 = 3$ is read "____ divided by 2 is equal to ____."
- 9. In $15 \div 3 = 5$, the divisor is ____, the dividend is ____, and the quotient is ____.
- 10. In 14 \div 2 = 7, the divisor is ____, the dividend is ____, and the quotient is ____.

Lesson 5.1 Understanding Division

 $8 \triangle \text{ in all.}$

 $4 \triangle$ in each group.

How many groups?

$$8 \div 4 = 2$$

There are 2 groups.



 $8 \triangle \text{ in all.}$

2 groups of \triangle .

How many \triangle in each group?

$$8 \div 2 = 4$$

There are 4 in each group.

Check by multiplication: quotient \times divisor = dividend.

$$2 \times 4 = 8$$

$$4 \times 2 = 8$$

Complete the following.

- 12
 ☐ in all.
 - $3 \square$ in each group.

How many groups?

$$12 \div 3 = 4$$

There are 4 groups.

Check: $4 \times 3 = 12$

- $12 \square$ in all.
- 4 groups of □.

How many in each group?

12 ÷ 4 = _____

There are in each group.

Check: _____

2. 20 As in all.

_____ As in each group.

How many groups?

There are _____ groups.

Check: _____

20 As in all.

_____ groups of As.

How many in each group?

 $20 \div 5 =$

There are _____ As in each group.

Check: _____

3. _____ Fs in all.

_____ Fs in each group.

How many groups?

 $12 \div 2 = \underline{\hspace{1cm}}$

There are _____ groups.

Check: _____

FF

FF

_____ groups of Fs.

Fs in all.

FF

How many in each group? 12 ÷ 6 = _____

FF

FF

There are _____ Fs in each group. FF

Check: _____

Lesson 5.2 Dividing through 27 ÷ 3



If
$$3 \times 5 = 15$$
, then $15 \div 3 = 5$.

If
$$2 \times 6 = 12$$
, then $12 \div 2 = 6$.

Divide. Under each division problem, write the corresponding multiplication problem.

C

d

e

- 1. $3\overline{\smash{\big)}\,6}$ $3 \times 2 = 6$ 2) 1 4
- 1)5
- 2)4
- 1)4

- 3) 2 7
- 1)3
- 2) 18
- 1)7
- 3)21

- 3) 1 2 3.
- 2) | 6
- 1)5
- 3) 1 8
- 2) 1 0

- 1)6
- 1)8
- 2)8

1)2

 $\overline{)}$

- 3) 2 4
- 3)9
- 1)9
- 2)6
- 2)2

Lesson 5.2 Problem Solving

SHOW YOUR WORK

Solve each problem.

1. Joe's fish store has 18 goldfish. The fish are in 3 aquariums. The same number of goldfish are in each aquarium. How many goldfish are in each aquarium?

There are _____ goldfish.

There are _____ aquariums.

There are _____ goldfish in each aquarium.

2. Sally has 16 shoes in her closet. A pair of shoes is a group of 2 shoes. How many pairs of shoes does Sally have?

Sally has _____ shoes.

A pair is a group of _____ shoes.

Sally has _____ pairs of shoes.

3. The egg carton has 12 eggs in it. There are 2 rows in the carton. How many eggs are in each row?

The egg carton has _____ eggs.

There are _____ rows in the carton.

There are _____ eggs in each row.

4. Elisa has 15 sticks of gum. If she gives each of her 3 friends the same number of sticks of gum, how many sticks of gum will each of Elisa's friends have?

Each of Elisa's friends will have ______ sticks of gum.

5. Alvin earned 27 dollars for mowing 3 lawns on Saturday. Alvin earned the same amount of money for each lawn. How much did he earn for each lawn?

Alvin earned _____ dollars for each lawn he moved.

1.

2.

3.

4. 5.

Lesson 5.3 Dividing through 54 ÷ 6



If
$$4 \times 5 = 20$$
, then $20 \div 4 = 5$.

If
$$6 \times 8 = 48$$
, then $48 \div 6 = 8$.

Divide. Under each division problem write the corresponding multiplication problem.

a

b

C

d

е

1.
$$6)\overline{5}$$
 4
 $6 \times 9 = 54$

Divide.

a

b

C

d

e

Lesson 5.3 Problem Solving

SHOW YOUR WORK

Solve each problem.

1. There are 24 hours in a day. If the day is divided into 6 equal time segments, how many hours will be in each time segment?

There are _____ hours.

There are _____ time segments.

There are _____ hours in each time segment.

2. There are 30 desks in the classroom. There are 6 desks in each row. How many rows of desks are there?

There are _____ desks.

There are _____ desks in each row.

There are _____ rows of desks.

3. Mr. Villa handed out 42 papers to 6 students. Each student received the same number of papers. How many papers did each student receive?

Mr. Villa handed out _____ papers.

There are _____ students.

Each student received _____ papers.

4. There are 12 months in a year. There are 4 seasons in a year. If each season has an equal number of months, how many months are in each season?

There are _____ months in each season.

5. Bianca has 48 roses. She has 6 vases. Bianca wants to put an equal number of roses in each vase. How many roses will Bianca put in each vase?

Bianca will put _____ roses in each vase.

1.

2.

3.

4. 5.

Lesson 5.4 Dividing through 81 ÷ 9



If
$$9 \times 6 = 54$$
, then $54 \div 9 = 6$.

If
$$7 \times 9 = 63$$
, then $63 \div 7 = 9$.

Divide. Under each division problem write the corresponding multiplication problem.

a

b

C

d

е

1.
$$7)7$$

7 × 1 = 7

Divide.

a

b

C

d

e

Lesson 5.4 Problem Solving

SHOW YOUR WORK

Solve each problem.

1. Spencer wants to save 72 dollars. How many weeks | 1. will it take Spencer to save 72 dollars if he saves 9 dollars each week?

Spencer wants to save _____ dollars.

He saves _____ dollars each week.

It will take Spencer _____ weeks to save 72 dollars

2. Ms. Jefferson worked 40 hours this week. She worked 8 hours each day. How many days did she work this week?

Ms. Jefferson worked _____ hours this week.

She worked _____ hours each day.

She worked _____ days this week.

3. There are 16 football players on the field. If there are 8 players on each team, how many teams are on the field?

There are _____ football players on the field.

There are _____ players on each team.

There are teams on the field.

4. Mrs. Daniels ordered 63 tables and 7 chairs for a banquet. Each table will have the same number of chairs. How many chairs will be at each table?

There will be _____ chairs at each table.

2.

3.

4.

Lesson 5.5 Division Practice

Divide.

a

b

C

d

е

5) 2 5

4) 1 6

7)21

9)81

6) 1 8

2. 6) 5 4

3)27

9)72

7)49

5)5

3. 3) 2 4

4) 28

9)36

2) 1 4

1)9

4. 3)6

8) 1 6

7) 3 5

5) | 5

3)9

5. 7) 4 2

9)45

2)2

7)63

2)6

6. 5) 2 0

2) 1 8

8) 3 2

4) 2 4

8)72

7. |)|

8)64

6)36

5) 4 5

2) 1 6

8. 8)48

3) 1 5

3)21

9)54

1)5

9. 8)24

7)28

4)36

7) | 4

9)9

10. 5) 3 5

6)42

5) 4 5

1)2

9)63

Lesson 5.6 Division and Multiplication Practice

Divide or multiply.

a

b

C

d

е

f

Lesson 5.7 Problem Solving

SHOW YOUR WORK

Make a mental computation first. Then, solve the problem.

In 4 days, Paige saw a total of 32 skydivers. In 4 more days she saw another total of 32 skydivers. If she saw the same number of skydivers each day, how many skydivers did Paige see in one day?

I know 30 plus 30 is 60, and 2 plus 2 is 4, so 32 plus 32 is 64. There are 8 total days, so I need to divide 64 by 8. I know 8 times 8 is 64, so 64 divided by 8 is 8.

Mental Computation: 8

I. Emma has 50 photos in one box and 10 photos in another. She wants to put an equal number of photos on each of the 10 pages of her album. How many photos should Emma put on each page? Mental Computation:

Emma should put _____ pictures on each page.

2. A group of 10 third graders are making cardboard penguins. Each student needs 1 cardboard tube, 2 wiggle eyes, and 1 piece of construction paper. How many items do all 10 third graders need? Mental Computation: ______
All 10 third graders need ______ items for

All 10 third graders need ______ items for the penguin project.

3. Greg has 91 erasers, and Janelle gives him 8 more. Greg gives each of his 9 friends an equal number of erasers. How many erasers does each friend get?

Mental Computation: ______

Each friend gets _____ erasers.There were 21 skiers waiting in line for the ski lift. Three skiers can sit on each seat on the lift. How

many seats are needed for all of the skiers?

Mental Computation:

_____ seats are needed for all of the skiers.

I.

2.

3.

4.



Check What You Learned

Division

Divide.

a

b

C

d

е



Check What You Learned

SHOW YOUR WORK

Division

Solve each problem.

10. There are 64 pages in a book. There are 8 chapters in the book. Each chapter has the same number of pages. How many pages are in each chapter of the book?

There are _____ pages in each chapter of the book.

II. Six horses can live in the stable. If I horse can live in each stall, how many stalls are in the stable?

There are ______ stalls in the stable.

12. A golfer shot a score of 45 in a golf match. She played 9 holes. She had the same score at each of the holes. What was her score at each hole?

She shot a score of _____ at each hole.

13. A package of 12 donuts was shared evenly among 3 friends. How many donuts did each friend receive?

Each friend received _____ donuts.

14. A bicycle has 18 speeds. Each of its 2 gears has the same number of speeds. How many speeds does the bicycle have for each gear?

Each gear has _____ speeds.

15. Forty teenagers went on a river-rafting trip. If each raft held 8 teenagers, how many rafts did the teenagers have for their trip?

The teenagers had _____ rafts.

10.

11.

12.

13.

14. 15.

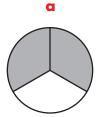


Check What You Know

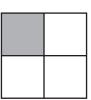
Fractions

What fraction of each figure is shaded?

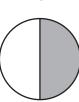
Ι.



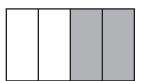
b



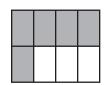
C



2.







What fraction of each set is shaded?

3.



b

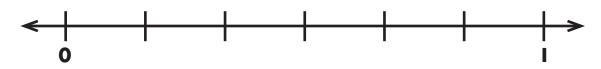


. —

•



4. Label these fractions on the number line: $\frac{1}{6}$ and $\frac{4}{6}$



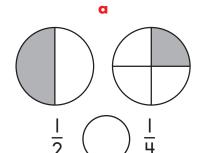


Check What You Know

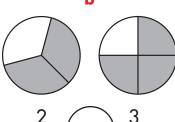
Fractions

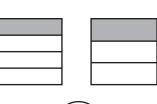
Use >, <, or = to compare the fractions.

5.



b

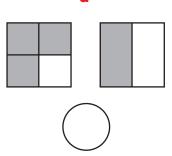


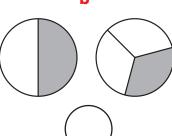


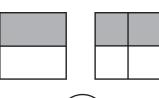
$$\frac{1}{4}$$
 $\frac{1}{3}$

What fraction of each figure is shaded? Compare the fractions. Use >, <, or =.

6.

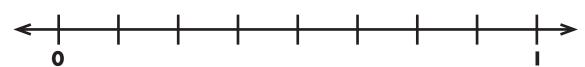






Label the following on the number line.

7. $\frac{3}{8}$ and $\frac{8}{8}$



Write the fraction.

8.



____ or _

Lesson 6.1 Parts of a Whole

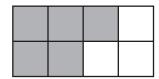
A fraction is a number for part of a whole.

I ← numerator (part of the whole)

4 denominator (parts in all)



 $\frac{1}{4}$ — part shaded parts in all



 $\frac{5}{8}$ — parts shaded parts in all

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

 $\frac{5}{8}$ of the rectangle is shaded.

What fraction of each figure is shaded?

ı.



b



C



2.





3.





4.

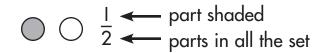


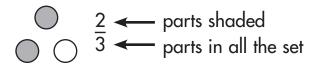


Lesson 6.2 Parts of a Set

A fraction is a number for part of a set.

 $\frac{1}{2}$ — numerator (part of the set) (parts in all the set)





What fraction of each set is shaded?

Ι.



b

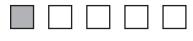




C



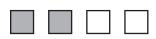
2.













3.

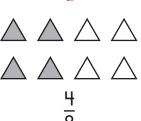






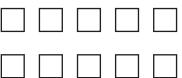
Shade the number indicated by the fraction.

4.





C



Lesson 6.3 Comparing Fractions





$$\frac{2}{5}$$
 > $\frac{1}{5}$







$$\frac{1}{3}$$
 is less than $\frac{1}{2}$.





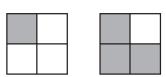
$$\frac{1}{4} = \frac{2}{8}$$

 $\frac{1}{4}$ is equal to $\frac{2}{8}$.

Use >, <, or = to compare the fractions.

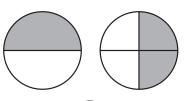
Ι.

a



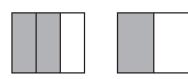
$$\frac{1}{4}$$
 $\left(< \right)$ $\frac{3}{4}$

b



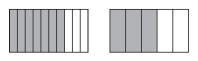
$$\frac{1}{2}$$
 $\frac{2}{4}$

C



$$\frac{2}{3}$$
 $\left(\right)$ $\frac{1}{2}$

2.



$$\frac{7}{10}$$
 $\frac{3}{5}$





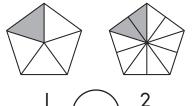
$$\frac{3}{8}$$
 $\frac{3}{4}$





$$\frac{1}{3}$$
 $\frac{5}{8}$

3.







$$\frac{3}{4}$$
 $\left(\right)$ $\frac{1}{2}$

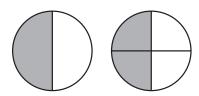




Lesson 6.3 Comparing Fractions

What fraction of each figure is shaded? Compare the fractions. Use >, <, or =.

١.









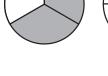




2.





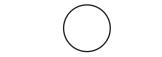








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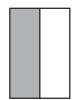


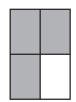
3.





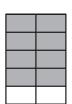










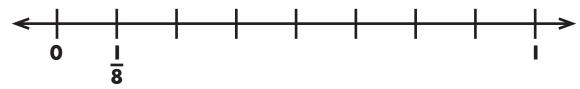


Lesson 6.4 Fractions on a Number Line

Label $\frac{1}{8}$.

Steps

- 1. First, divide the number line into 8 equal parts (the denominator).
- 2. Next, count from zero the parts you need (the numerator).
- 3. Label the fraction.



Label the fractions given.

 $\frac{3}{4}$

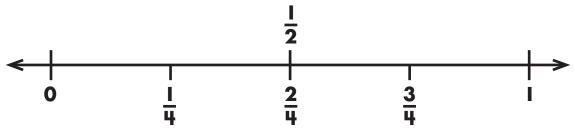
 $\frac{3}{3}$

 $\frac{2}{3}$

5. \(\frac{4}{4}\)

Lesson 6.5 Equivalent Fractions on a Number Line

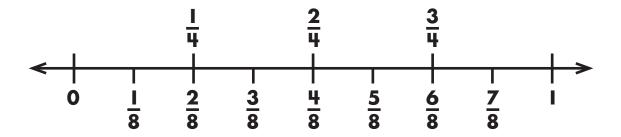
The fractions $\frac{2}{4}$ and $\frac{1}{2}$ are equivalent because they are at the same spot on the number line.



Answer the questions based on the number lines.

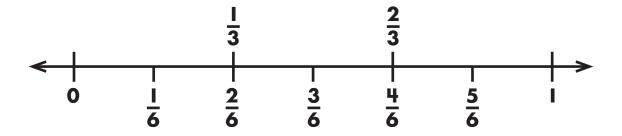
1. Are the fractions \(\frac{1}{8} \) and \(\frac{1}{4} \) equivalent?

Name 2 other fractions that are equivalent. ______

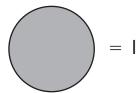


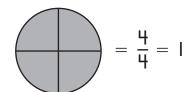
2. Are the fractions $\frac{1}{6}$ and $\frac{2}{3}$ equivalent?

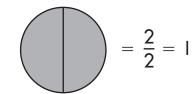
Name 2 other fractions that are equivalent. ______



Lesson 6.6 Whole Numbers as Fractions

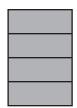






Complete the fractions.

ı.



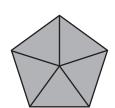
2.



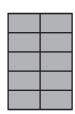
3.



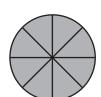
4.



5.



6.





Check What You Learned

Fractions

What fraction of each figure is shaded?

Ι.



b



C



What fraction of each set is shaded?

2.



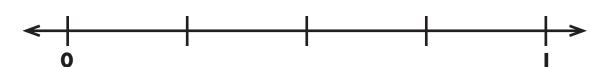
b



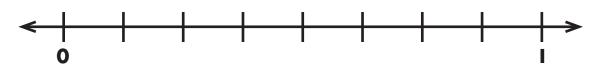


Label the fractions on each number line.

3. $\frac{1}{4}$ and $\frac{3}{4}$



4. $\frac{3}{8}$ and $\frac{5}{8}$



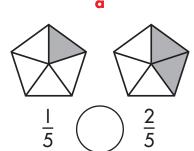


Check What You Learned

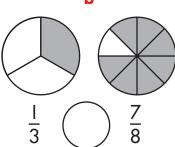
Fractions

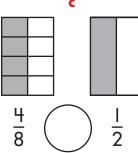
Use >, <, or = to compare the fractions.

5.



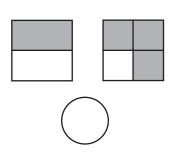
b



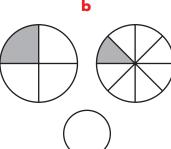


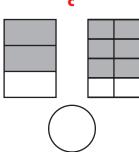
What fraction of each figure is shaded? Compare the fractions. Use >, <, or =.

6.



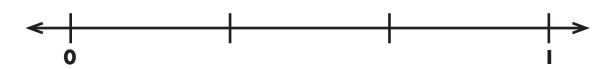
b





Label the fractions on the number line.

7. $\frac{1}{3}$ and $\frac{3}{3}$



Write the fraction.

8.



____ or



Check What You Know

Measurement

Choose an answer.

a

- I. About how much water will a bucket hold?
 - a. 5 inches
 - b. 5 pounds
 - c. 5 liters

b

About how much does a pencil weigh?

- a. 6 grams
- b. 60 grams
- c. 600 grams

Solve.

2. Kyle has 48 grams of cheese in a bag. Maria has 72 grams of cheese in a bag. How many grams of cheese do Kyle and Maria have altogether?

Complete the graphs.

C

3.

Favorite Sports
Baseball = 40
Soccer = 10
Football = 45

50	_/	\
45.		
40.		
35		
30		
25		
20		
15		
10.		
5.		
0.		
U.		

b

3rd Graders' Bedtimes
8:00 = 8
8:30 = 4
9:00 = 16

3rd Graders' Bedtimes			

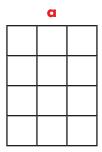


Check What You Know

Measurement

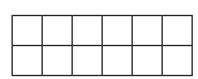
Write the area of the figure.

4.



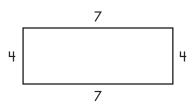
_____ sq. units

b



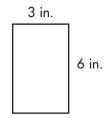
_____ sq. units

5. Draw the square units to find the area of the rectangle.



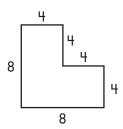
A = _____ sq. units

6. Multiply to find the area.



A = _____ sq. units

7. Find the area.



A = _____ sq. units

8. Solve.

Blake is fencing a rectangular dog pen. Two of the sides are 67 feet long, and the other two sides are 41 feet. How many feet of fencing will Blake need?

_____ ft.

Lesson 7.1 Measuring Volume and Mass

Answer each question.

- 1. A refrigerator weighs about: 90 grams 90 kilograms 9 kilograms
- 2. A wading pool holds about: 500 grams 500 liters 5,000 liters
- 3. A small dog weighs about: 15 grams 50 grams 5,000 grams
- 4. A nail weighs about: I gram 10 grams 100 grams

Solve.

5. Emily's bag of fruit weighs 32 ounces. Jason's bag of fruit weighs 14 ounces. How many ounces do Emily and Jason's bags weigh altogether?

Emily and Jason's bags of fruit weigh _____ ounces altogether.

6. Vince brought 4 quarts of juice for the party. Jose brought 6 quarts of juice for the party. How many more quarts of juice did Jose bring than Vince?

Jose brought _____ more quarts of juice than Vince.

7. Jim had 18 gallons of paint to paint his entire house. He only used 11 gallons. How many gallons of paint does Jim have left?

Jim has _____ gallons of paint left.

8. Inez weighed 3 kilograms when she was born. Now she weighs 13 kilograms. How much weight did Inez gain since she was born?

Inez gained _____ kilograms since she was born.

Lesson 7.1 Measuring Volume and Mass

Answer each question.

- I. A dump truck can hold about:
 I liter
 10 liters
 1,000 liters
- 2. A butterfly weighs about: 100 grams 1 gram 10 grams
- 3. A juice bottle can hold about: 2 liters 200 liters 2,000 liters
- **4.** A chicken can weigh: 7 grams 70 grams 700 grams

Solve.

5. A carton contains 2 liters of juice. If there are 18 cartons of juice, how many liters of juice are there?

There are _____ liters of juice.

6. A saltshaker holds 5 grams of salt. If there are 20 saltshakers in the restaurant, how many grams of salt are in the restaurant?

There are _____ grams of salt in the restaurant.

7. Clarissa has 6 plants in her house. Each plant weighs 4 kilograms. How many kilograms do the plants weigh altogether?

Clarissa's plants weigh _____ kilograms altogether.

8. Danny caught a fish that was 15 pounds. Ashley caught a fish that was 20 pounds. How many more pounds does Ashley's fish weigh than Danny's fish?

Ashley's fish weighs _____ pounds more than Danny's fish.

Lesson 7.2 Drawing Picture Graphs

A **picture graph** uses symbols to represent data.

The key tells you the value of each symbol on the picture graph.

Use the frequency table to complete the graph.

Students' Hair Color

Brown	옷	옷	옷	옷	옷	옷	옷
Black	옷	옷	옷	옷	옷		
Blonde	옷	옷	옷	옷	옷	Ş	
Red	옷	5					

Key:
$$\frac{Q}{X} = 2$$
 students

Frequency Table

Brown	#	##	Ш
Black	#	##	
Blonde	##	##	
Red	Ш		

How many students have red hair color?

Each stick figure represents two students.

Count by twos when counting the stick figures in the row labeled "red." Add I to the sum for the half stick figure.

__3__ students have red hair.

Complete the picture graph. Answer the question.

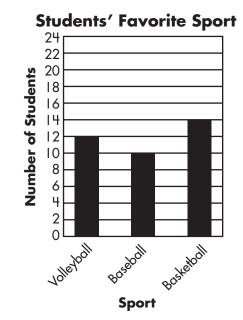
Flowers In My Garden

Frequency Table

Daisies	#	Ш
Roses	#	
Sunflowers		

How many total flowers are in the garden?

Lesson 7.3 Drawing Bar Graphs



A **bar graph** uses rectangular bars to represent data.

Use the frequency table to complete the graph.

How many students chose baseball as their favorite sport?

Find the bar labeled baseball.

Follow the top of the bar to the scale at the left.

Volleyball 12

Baseball 10

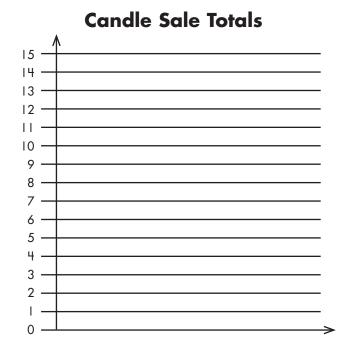
Basketball 14

Frequency Table

This value represents the number of students whose favorite sport is baseball.

10 students chose baseball as their favorite sport.

Complete the bar graph. Answer the question.



Frequency Table

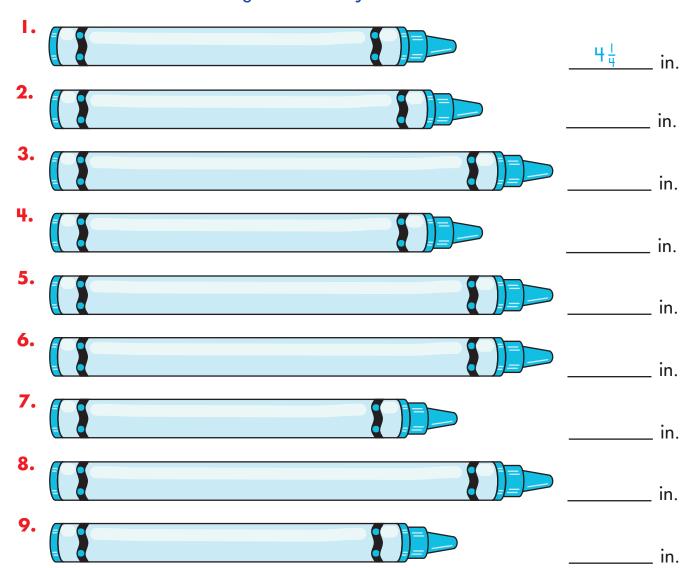
Abbie	10
Brady	15
Denise	6

How many more candles did Brady

sell than Denise?

Lesson 7.4 Gathering Data to Draw a Line Plot

Use a ruler to measure the length of each object.



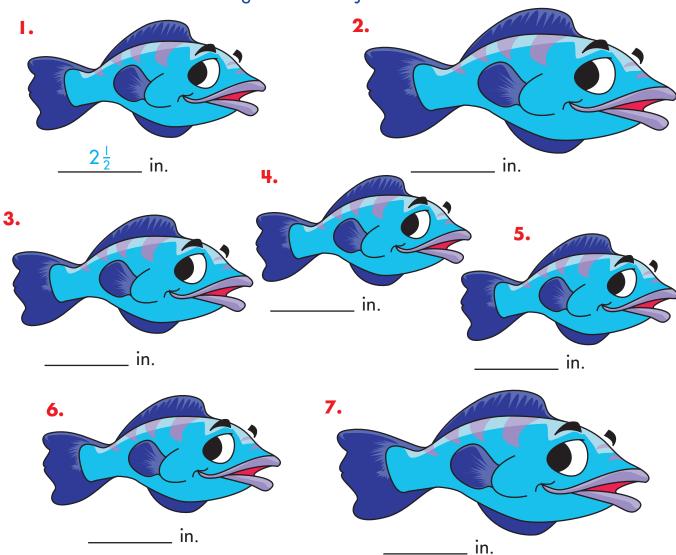
Use the information above to fill in the line plot.

10. Crayons Used in the Classroom



Lesson 7.4 Gathering Data to Draw a Line Plot

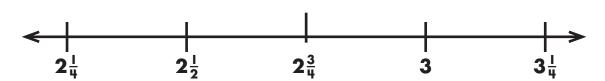
Use a ruler to measure the length of each object.



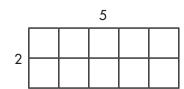
Use the information above to fill in the line plot.

8.

Fish in the Pond



Lesson 7.5 Finding Area with Unit Squares



2 cm 2 cm

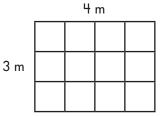
A = I square unit

 $A = \underline{10}$ sq. units $A = \underline{4}$ sq. cm

2.

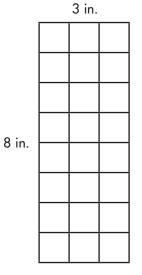
Find the area.

1.



 $A = \underline{\hspace{1cm}}$ sq. m

3.

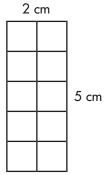


A = _____ sq. in.

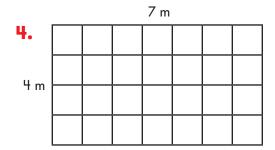
7 cm**5.** I cm

 $A = \underline{\hspace{1cm}}$ sq. cm

b



 $A = \underline{\hspace{1cm}}$ sq. cm

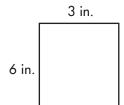


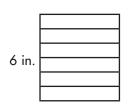
 $A = \underline{\hspace{1cm}}$ sq. m

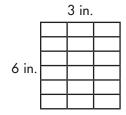
4 in. 6. 3 in.

A = _____ sq. in.

Lesson 7.5 Finding Area with Unit Squares





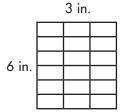


Find the area by drawing the square units.

Draw 5 lines across to make 6 rows.

Draw 2 lines down to make 3 columns.

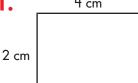
Count the square units to find the area.



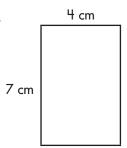
$$A =$$
 sq. in.

Draw the square units to find the area.

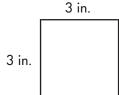
Ι.



2.



3.



A = _____ sq. in.

 $A = \underline{\hspace{1cm}}$ sq. cm

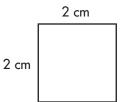
 $A = \underline{\hspace{1cm}}$ sq. cm

4.

1 m

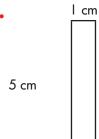
 $A = \underline{\hspace{1cm}}$ sq. m

5.



A = _____ sq. cm

6.



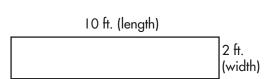
A = _____ sq. cm

Lesson 7.6 Measuring Area

To find the area of a square or rectangle, multiply length by width.

10 ft.
$$\times$$
 2 ft. = 20 sq. ft.

The product is written as 20 square feet.



Find the area of each shape.

Ι.

a

b

8 ft.

C

d

6 in.

15 in. 5 in.

7 ft.

4 ft.

10 ft.

50 in.

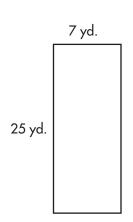
<u>75</u> sq. in.

_ sq. ft.

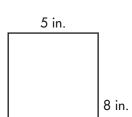
____ sq. ft.

sq. in.

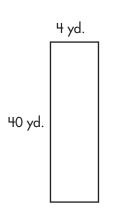
2.



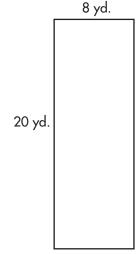
____ sq. yd.



____ sq. in.



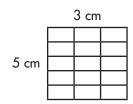
____ sq. yd.



_ sq. yd.

Lesson 7.6 Measuring Area

Draw the square units.



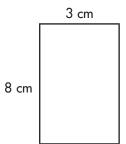
$$A = \underline{15}$$
 sq. cm

Multiply to check your answer.

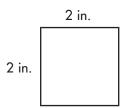
$$A = \underline{15}$$
 sq. cm

Draw the square units. Then, multiply to check your answer.

Ι.



2.

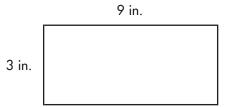


$$A = \underline{\hspace{1cm}}$$
 sq. in.

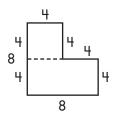
3.



$$A = \underline{\hspace{1cm}}$$
 sq. cm

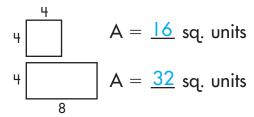


Lesson 7.7 Finding Area of Irregular Shapes



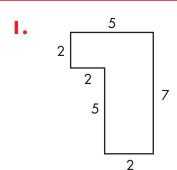
Divide the shape into recognizable shapes.

Add the area of each shape together.

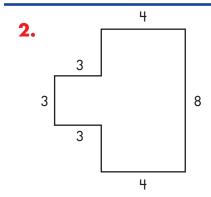


Find the area of each individual shape.

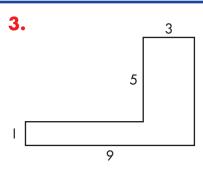
16 + 32 = 48 sq. units



A = _____ sq. units



A = _____ sq. units



A = _____ sq. units

Lesson 7.8 Problem Solving

SHOW YOUR WORK

Solve.

1. The Garcia brothers are painting a wall in their living room. The wall measures 8 feet by 10 feet. What is the area of the wall?

The area of the wall is _____ square feet.

2. Freda is putting carpet down in a room that measures 9 feet long by 10 feet wide. What is the area of the room?

The area is _____ square feet.

3. The zoo is building a new hippo pool that will measure 50 feet by 9 feet. What is the area of the pool?

The area is _____ square feet.

4. The Foster's deck was almost finished. Each side of the square deck was 9 feet long. What was the area of the deck?

The area was _____ square feet.

5. The college donated land for a park. The land is 90 feet long and 9 feet wide. What is the area of the land?

The area is _____ square feet.

6. Jill digs a flowerbed that is 8 meters long and 7 meters wide. What is the area of the flowerbed?

The area is _____ square meters.

7. Emma wants to tile her kitchen floor. How many I foot square tiles will she need if her floor is 10 feet long by 9 feet wide?

Emma will need _____ tiles.

Ι.

2.

3.

4.

5.

6.

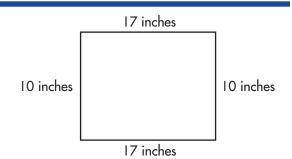
Lesson 7.9 Measuring Perimeter

Perimeter is the distance around a shape.

To calculate perimeter, add together the lengths of all the sides.

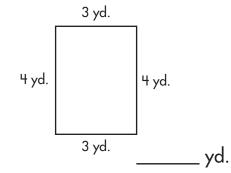
Perimeter = 17 in. + 10 in. + 17 in. + 10 in.

Perimeter = 54 in.

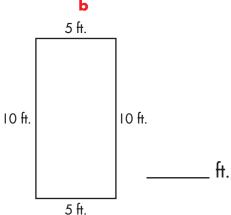


Find the perimeter of each shape.

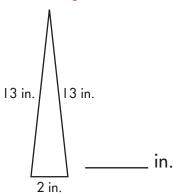
Ι.



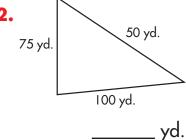
b



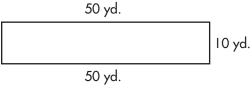
C



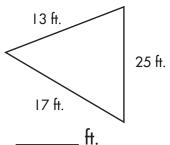
2.



10 yd.



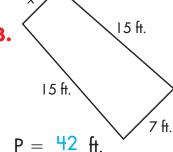
yd.



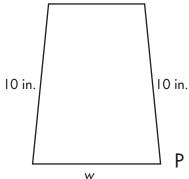
Find the unknown side.

 $P = \frac{150}{1}$ in.

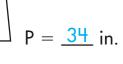
3.



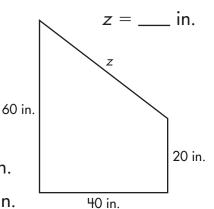
x =____ft.



6 in.







Lesson 7.9 Problem Solving

SHOW YOUR WORK

Solve.

1. The town of Yarmouth is planning a skateboard park and needs to know the perimeter of the park. The property measures 7 yards by 3 yards by 10 yards by 5 yards. What is the perimeter?

The park's perimeter is _____ yards.

2. John cleared a vacant lot to plant a garden. The lot measured 35 by 15 feet. What is the perimeter of the garden lot?

The perimeter of the lot is ______ feet.

3. Gabriel built a cage for his tropical birds. The cage measures 14 feet by 12 feet. What is the perimeter of the cage?

The perimeter of the cage is ______ feet.

4. The length of the walking track is 103 feet and the width is 50 feet. What is the perimeter of the track?

The perimeter is _____ feet.

5. Anna is buying trim to go around her rug. Her rug measures 54 inches by 42 inches. How many inches of trim will Anna need to buy?

Anna will need to buy _____ inches of trim.

6. Natalie is putting a fence around her pool. Her pool is 10 feet by 8 feet. How many feet of fencing will Natalie need?

Natalie will need ______ feet of fencing.

7. The rectangular third-grade classroom has a perimeter of 130 feet. If it is 25 feet wide, how many feet long is the classroom?

The classroom is ______ feet long.

I.

2.

3.

4.

5.

6.



Check What You Learned

Measurement

Choose an answer.

a

- I. About how much does a paper clip weigh?
 - a. I gram
 - b. 100 grams
 - c. 1,000 grams

b

About how much juice can a baby bottle hold?

- a. 3 liters
- b. 30 milliliters
- c. 300 liters

Solve.

2. Kennedy popped 24 cups of popcorn in 3 days. If she popped the same number of cups each day, how many cups did she pop each day?

Complete the graphs.

a

Team 1 = 60

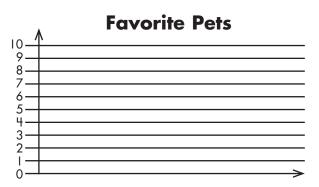
Team 2 = 40

Team 3 = 140

Miles Canoed				

b

Favorite Pets
Gerbil = 4
Goldfish = 3
Iguana = I







Check What You Learned

Measurement

Find the area of the figure.

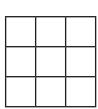
a

4.



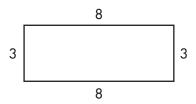
_____ sq. units

b



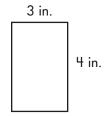
_____ sq. units

5. Draw the square units to show the area of the rectangle.



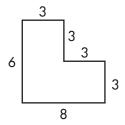
A = _____ sq. units

6. Multiply to find the area.



A = _____ sq. in.

7. Find the area.



A = _____ sq. units

8. Solve.

An equilateral triangle has one side that measures 9 cm. How many centimeters is the perimeter of the triangle?



Check What You Know

Time

Complete the following.

- 1. 2:32 means ___ minutes after ___.
- 2:32 means ____ minutes to ____.
- **2.** 3:45 means ____ minutes after ____.
- 3:45 means ____ minutes to ____.
- **3.** 7:06 means ____ minutes after ____.
- 9:50 means ____ minutes to ____.

Tell the time to the nearest hour, half hour, quarter hour, or minute as indicated.



half hour quarter hour minute

Solve.

5. Carrie's family leaves at 7:15 a.m. They drive for 30 minutes and then stop for dinner. What time is it when they stop?

Look at the clock. Blair arrived at the bus stop 45 minutes ago. What time did Blair arrive at the bus stop?



Solve. Use the number line to show how much time has elapsed.

6. Blane left work at 2:15 p.m. He ate dinner at 7:15 p.m. How much time passed between the time Blane left work and ate dinner?

2:15 p.m.

7:15 p.m.

Lesson 8.1 Telling Time



5:15 is read "five fifteen" and means "15 minutes after 5."



12:50 is read "twelve fifty" and means "50 minutes after 12" or "10 minutes to 1."



4:45 is read "four forty-five" and means "45 minutes after 5" or "15 minutes to 6."

Complete the following.

- **1.** 6:15 means <u>15</u> minutes after <u>6</u>.
- **2.** 7:50 means ____ minutes after ____.
- **3.** 12:45 means ____ minutes after ____.
- **4.** 1:30 means ____ minutes after ____.

b

- 11:50 means ____ minutes to ____.
- 7:50 means ____ minutes to ____.
- 12:45 means ____ minutes to ____.
- 1:30 means ____ minutes to ____.

For each analog clock face, write the numerals that name the time.



















10

Lesson 8.1 Telling Time



6:41

The closest hour on an analog clock is determined by the hour hand (the short hand).

The closest half hour, quarter hour, and minute are determined by the minute hand (the long hand).

A half hour is at 30 minutes or 1 hour.

A quarter hour is at 15, 30, 45 minutes, or 1 hour.

quarter hour? 6:45, minute? 6:41

Write the time to the nearest hour, half hour, quarter hour, or minute as indicated.



hour

half hour

quarter hour

minute



hour half hour quarter hour minute

Draw the hands on the analog clock to express the time presented on the digital clock.

3.









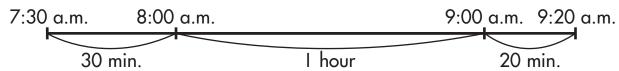
10





Lesson 8.2 Time on a Number Line

Quinn gets up at 7:30 a.m. She leaves the house at 9:20 a.m. How much time passed betw.een when she got up and left the house?



First, find out how much time until the next hour.

Second, find out how much time passed since the previous hour.

Then, find out how much time passed between the next hour and the previous hour. Last, add up the minutes and hours to find out the total time that has passed.

I hour 50 minutes

Solve.

I. Alexa went to the bookstore at 5:45 p.m. She left the bookstore at 9:10 p.m. How long was Alexa at the bookstore?

5:45 p.m. 9:10 p.m.

2. Hugo leaves for work at 7:45 a.m. He leaves work to go home at 4:15 p.m. How much time does Hugo spend at work?

7:45 a.m. 4:15 p.m.



Check What You Learned

Time

Complete the following.

1. 4:15 means ___ minutes after ___.

- 7:45 means ____ minutes to ____.
- 12:55 means ____ minutes to ____. **2.** 12:55 means ____ minutes after ____.
- **3.** 3:23 means ____ minutes after ____. 6:40 means ___ minutes to ___.

Tell the time to the nearest hour, half hour, quarter hour, or minute as indicated.



hour half hour quarter hour

minute

Solve. Show the elapsed time on the number line.

5. Fiona takes her puppy to the park at 8:40 a.m. She goes to the lake, then to a friend's house, and gets home at 12:10 p.m. How much time was Fiona out of the house?

8:40 a.m. 12:10 p.m.

6. Jonathan goes to school at 8:50 a.m. The last bell rings at 3:05 p.m. How much time is Jonathan at school?

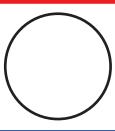
3:05 p.m. 8:50 a.m.



Check What You Know

Geometry

1. Divide the circle into fourths. Label each fourth with the appropriate fraction.



2. Divide the square into thirds. Label each third with the appropriate fraction.

3. Divide the rectangle into sixths. Label each sixth with the appropriate fraction.

Complete each table.

	Figure	Number of Sides	Number of Square Corners	of Other		Figure	Number of Square Faces		Number of Rectangle Faces	Number of Edges
4.	square				7.	cube				
5.	circle				8.	square pyramid				
6.	rectangle				9.	sphere		-		

Circle the shapes named.

10. Circle the quadrilaterals.













II. Circle the rectangles.













12. Circle the rhombuses.











Lesson 9.1 Plane Figures

A plane figure is a flat surface.







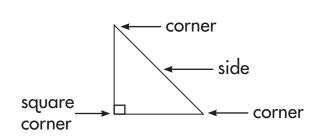


circle

triangle

square

rectangle



Each side of a triangle, square, and rectangle is a line segment.

The point where two line segments meet is a corner or a square corner.

A square corner is a right angle. A right angle has a measure of 90°.

Draw the following plane figures.

triangle

Ι.

rectangle

C

square

circle

Complete the following.







C







- 2. number of sides
- 3. number of square corners
- 4. number of other corners





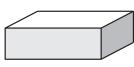


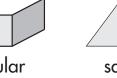


Lesson 9.2 Solid Figures

A solid figure is a three-dimensional object. Solid figures may be hollow or solid.













cube

rectangular prism

square

corner

edge

square pyramid

corner

face

-edge

sphere

cylinder

cone

A face is the shape formed by the edges of a solid figure.

An **edge** is where 2 faces intersect.

A vertex or corner is the point where 3 or more edges come together.

Complete the table.

face

	Solid Figure	Number of Square Faces	Number of Rectangle Faces	Number of Triangle Faces
1.	cube			0
2.	rectangular prism			
3.	square pyramid			

- How many edges does a sphere have? _____ edges
- How many edges does a square pyramid have? _____ edges
- How many edges does a cube have? _____ edges
- How many edges does a rectangular prism have? _____ edges
- 8. How many corners does a square pyramid have? ____ corners

Give a physical example of each of the following plane figures.

9.

cube

sugar cube

rectangular prism

square pyramid

10.

sphere

cylinder

cone

Lesson 9.3 Classifying Quadrilaterals

Quadrilaterals are four-sided shapes. To be a quadrilateral, all four sides must be connected. **Parallelograms** are quadrilaterals with two sets of parallel sides. **Rectangles** are parallelograms with four right angles. **Rhombuses** are parallelograms with four sides of equal length. **Squares** are rectangles with four equal sides. They are also rhombuses with four right angles. Circle the shapes named. Then, answer the question. I. Circle the quadrilaterals. 2. Circle the parallelograms. **3.** Circle the rectangles.

5. Circle the squares.

4. Circle the rhombuses.



Lesson 9.4 Dividing Shapes

Halves = 2 equal pieces

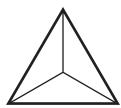
Thirds = 3 equal pieces

Fourths = 4 equal pieces

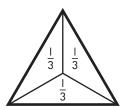
Fifths = 5 equal pieces

and so on . . .

Divide this shape into thirds.

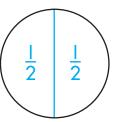


Label each third.



Divide each shape into the given amount of equal parts. Then, label each piece with the appropriate fraction.

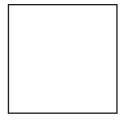
halves



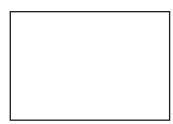
2. thirds



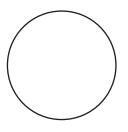
3. thirds



4. halves



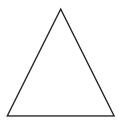
5. fourths



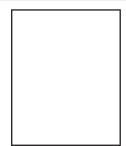
6. fifths



7. halves



8. fourths





Check What You Learned

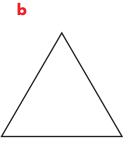
Geometry

Divide each shape into the given amount of equal parts. Then, label each piece with the appropriate fraction.

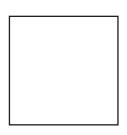
I. fifths



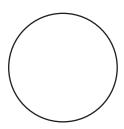
thirds



2. halves



fourths



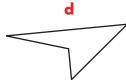
Name each four-sided figure.

3.



b





How many sides or edges are there on these figures?

4.





C



d





Check What You Know

Preparing for Algebra

Complete the pattern by using addition or subtraction.

a

b

C

d

I. 30

26

2

22

3.

2.

5

10

15

3

<u>___</u>

4.

4

8

16

5.

ī

3

5

6.

10

9

8

N Salva agab

Write the number sentence. For the missing part, use a box (). Solve each number sentence.

7. Thirty-six divided by a number equals six. _____

The number is _____.

8. The product of five and four equals what number? _____

The product of five and four is _____.

9. This number divided by three equals seven. _____

This number is _____.

10. This number times four equals twenty-four.

This number is _____.

II. Thirty-five divided by five equals what number? _____

Fourteen divided by 5 is _____.

12. The product of nine and this number equals eighteen.

This number is _____

13. This number divided by three equals six. _____

This number is ______.





Check What You Know

Preparing for Algebra

Complete the following.

b

C

d

$$3 + \square = 3$$

$$5 + 0 =$$

$$7 \times 1 = \square$$

$$\square \times 1 = 6$$

15.
$$5 + 4 = 9$$
 or $6 + 9 = 15$ or

$$6 + 9 = 15$$
 or

$$2 \times 9 = 18$$
 or

$$2 \times 9 = 18 \text{ or } 4 \times 5 = 20 \text{ or }$$

$$5 + 4 = 2 + \boxed{}$$

$$2 \times 9 = 6 \times \square$$

$$4 \times 5 = 10 \times \square$$

Complete the following.

b

16.
$$3 \times 5 \times 2 = x$$

$$4 \times 4 \times 3 = z$$

$$5 \times 2 \times 1 = y$$

$$5 \times 2 = 10$$

$$4 \times 4 = 16$$

$$5 \times 1 = 5$$

$$10 \times 3 =$$

$$16 \times 3 =$$

$$17. \quad 7 \times 1 \times 2 = n$$

$$8 \times 2 \times 3 = b$$

$$6 \times 4 \times 5 = m$$

$$2 \times 3 = 6$$

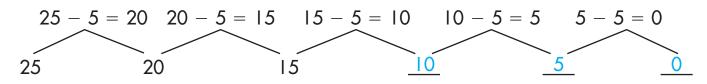
$$x = 14$$

Complete the following.

Lesson 10.1 Number Patterns

A number pattern can be developed by addition or subtraction.

Complete this pattern by subtraction.



Complete the pattern by using addition or subtraction.

- Ι. 2
- 4

- a
- b
- C

- 6
- 10
- 12

- 2. I
- 3
- 5

- 3. 20
- 18
- 16

- 21 4.
- 15
- 10

- **5.** 13
- 12
- \prod

- 5 6.
- 10
- 15

- **7.** 3
- 6
- 9

- 8. 10
- 20
- 40

- 9.
- 13
- 10

- 10.
- 10

16

- 9

- 8

Preparing for Algebra

esson 10.2 Number Sentences

A **number sentence** is an equation with numbers.

Identity Property

Commutative Property

for addition:

$$0 + 3 = 3$$

for addition:

$$3 + 2 = 2 + 3$$

for multiplication: $1 \times 3 = 3$

$$1 \times 3 = 3$$

for multiplication: $4 \times 2 = 2 \times 4$

$$: 4 \times 2 = 2 \times 4$$

A number sentence can change its look but not change its value.

$$3 + 5 = 8 \text{ or } 3 + 5 = 4 + 4$$

$$3 \times 8 = 24 \text{ or } 3 \times 8 = 6 \times 4$$

Complete each number sentence.

d

$$0 + 4 = 4$$

2.
$$1 \times 2 =$$

$$1 \times 5 =$$

$$\times 4 = 4$$

$$\times$$
 9 = 9

$$3 + 4 = \square + 3$$

$$1 + 2 = 2 +$$

$$4 \cdot 5 \times 7 = 7 \times \square$$
 $4 \times \square = 3 \times 4$ $\square \times 3 = 3 \times 5$ $9 \times 4 = \square \times 9$

$$4 \times \square = 3 \times 4$$

$$\times 3 = 3 \times 5$$

$$9 \times 4 = \times 9$$

Complete the following.

b

5 + 7 = 12 or

d

5.
$$2 + 7 = 9 \text{ or}$$
 $2 + 7 = 5 + \boxed{4}$

$$5 + 7 = 6 +$$

$$4 + 3 = 7 \text{ or}$$

 $4 + 3 = 5 + \square$

$$6 + 9 = 15 \text{ or}$$

 $6 + 9 = 10 + \square$

6.
$$6 + 4 = 10 \text{ or}$$

$$6 + 7 = 13 \text{ or}$$

$$5 + 3 = 8 \text{ or }$$

$$9 + 2 = II \text{ or }$$

$$6 + 4 = 5 + \square$$

$$6 + 7 = 8 + \square$$

$$5 + 3 = 6 + \square$$

$$9 + 2 = 5 +$$

7.
$$5 \times 6 = 30 \text{ or}$$

$$4 \times 3 = 12$$
 or

$$6 \times 3 = 18$$
 or

$$6 \times 2 = 12 \text{ or}$$

$$5 \times 6 = 10 \times \square$$

$$4 \times 3 = 2 \times \square$$

$$6 \times 3 = 9 \times \square$$

$$6 \times 2 = 4 \times \boxed{}$$

Lesson 10.2 Number Sentences

Associative Property

$$2 \times 3 \times 4 = c$$

$$2 \times 3 = 6$$

$$6 \times 4 = 24$$

$$c = 24$$

Distributive Property

$$6 + 5 = 11$$
 $11 \times 8 = (6 \times 8) + (5 \times 8)$
 $48 + 40 = 88$
 $11 \times 8 = 88$

Solve using the associative property.

Solve using the distributive property.

3.
$$12 \times 4 = (6 \times 4) + (___ \times 4)$$

$$----- + -----
12 \times 4 = ___$$

$$16 \times 5 = (7 \times 5) + (___ \times 5)$$
 $-__ + ___$
 $16 \times 5 = ___$

Lesson 10.2 Problem Solving

Math Symbol

Key Words

= + -× is, is equal to, equals added to, sum, and, plus subtracted from, difference, minus multiplied by, the product of, times divided by

Write each number sentence. Put a box (____) in the sentence for the missing part. Solve each number sentence.

- 1. The sum of two and three is what number? $2 + 3 = \boxed{5}$ The sum of two and three is $\underline{\text{five}}$.
- 2. Seven minus two is what number? ______.

 Seven minus two is ______.
- **3.** Four times three is what number? ______.

 Four times three is ______.
- **4.** Fourteen divided by two is what number? ______.

 Fourteen divided by two is ______.
- 5. Five added to what number is seven? ______

 Five added to ______ is seven.
- 6. Thirteen minus what number is ten? ______
 Thirteen minus _____ is ten.

Lesson 10.2 Problem Solving

Write each number sentence. Put a box (____) in the sentence for the missing part. Solve each number sentence.

I. Twenty-seven divided by a number equals three. _____

Twenty-seven divided by _____ equals three.

2. This number divided by eight equals eight. _____

_____ divided by eight equals eight.

3. Twelve divided by three equals what number? ______

Twelve divided by three equals _____

4. Four times nine is what number? ______.

Four times nine is ______.

5. This number times eight is fifty-six. ______ times eight is fifty-six.

6. Nine times this number is eighty-one. ______

Nine times _____ is eighty-one.

7. Twenty divided by four is what number? _____.

Twenty divided by four is _____.

8. Ten times this number is ninety. ______ is ninety.

- 9. This number times five is twenty-five. ______
 times five is twenty-five.
- 10. This number divided by seven is nine. ______ divided by seven is nine.



Check What You Learned

Preparing for Algebra

Complete the pattern by using addition or subtraction.

b c

2. 50 45 40 ____ __ ___ ___

3. 100 90 80 ____ __ ___ ___

4. 4 8 12 _____

5. 2 4 6 ____ _ _ ___ ___

6. 33 35 37 ____ __ ___ ___

Write the number sentence. For the missing part, use a box (). Solve each number sentence.

- 7. Twelve divided by six is what number? ______.

 Twelve divided by six is ______.
- 8. Seven times three is what number? _______

 Seven times three is ______.
- **9.** Five plus six is what number? ______.

 Five plus six is _____.
- 10. This number divided by four equals eight. _____ divided by four equals eight.
- Nine times this number equals seventy-two. _______
 Nine times _____ equals seventy-two.
- Twelve times five equals what number? ______.



Check What You Learned

Preparing for Algebra

Complete the following.

b

C

d

$$5 + \Box = 5$$

$$\Box + 0 = 1$$

$$2 \times 1 =$$

$$5 + \square = 5$$
 $\square + 0 = 4$ $2 \times I = \square$ $3 \times I = \square$

$$2 + 7 = 9$$
 or

$$5 + 9 = 140$$

$$3 \times 8 = 24$$
 or

14.
$$2+7=9 \text{ or } 5+9=14 \text{ or } 3\times 8=24 \text{ or } 6\times 2=12 \text{ or }$$

$$2 + 7 = 6 +$$

$$5 + 9 = 8 + \square$$

$$6 \times 2 = 4 \times \boxed{}$$

Complete the following.

b

15.
$$3 \times 2 \times 3 = y$$

$$4 \times 1 \times 2 = z$$

$$4 \times 6 \times 3 = m$$

$$3 \times 2 = 6$$

$$4 \times 1 = 4$$

$$4 \times 6 = 24$$

$$24 \times 3 =$$

$$m = \underline{\hspace{1cm}}$$

16.
$$8 \times 2 \times 3 = a$$

$$7 \times 1 \times 2 = c$$

$$5 \times 3 \times 6 = k$$

Complete the following.

17.
$$13 \times 7 = (5 \times 7) + (\underline{\hspace{1cm}} \times 7)$$

18.
$$16 \times 6 = (8 \times 6) + (\underline{\hspace{1cm}} \times 6)$$

19.
$$18 \times 4 = (8 \times 4) + (\underline{\hspace{1cm}} \times 4)$$

Add or subtract.

a

b

C

d

e

Ι.

2.

$$500 + 320$$

3.

4.

5.

$$\begin{array}{c} 1 \ 3 \ 2 \ I \\ + \ 4 \ 9 \ 2 \ 3 \end{array}$$

$$\begin{array}{rrr} & 6\ 8\ 7\ 6 \\ + & 1\ 9\ 2 \end{array}$$

6.

$$9876 \\ -7293$$

SHOW YOUR WORK

Solve each problem.

7. In 1984, Mr. Alvin was 103 years old. What year was he born?

Mr. Alvin was born in ______.

8. Sandy spent 14 dollars of her 38 dollars on a radio. How much money does she have left?

Sandy has _____ dollars left.



Round each number to the place named.

9.

4,932 tens

7,348 hundreds

596 hundreds

720 hundreds

Multiply or divide.

10.

d

11.

12.

Solve each problem.

14. There are 20 students in the classroom. Each math student receives 7 papers. How many total papers are there?

There are a total of _____ papers.

15. There are 64 seats in the movie theater. There are 8 rows. If the same number of seats are in each row, how many seats are in each row?

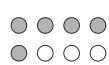
There are _____ seats in each row.



What fraction of each figure or set is shaded?

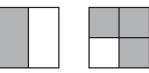
16.



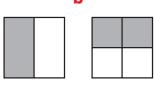


What fraction of each figure is shaded? Compare the fractions. Use >, <, or =.

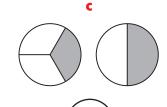
17.



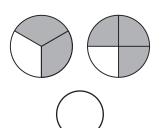


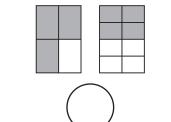


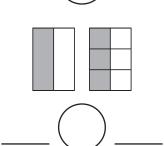




18.







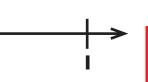
Label the fractions on the number line.





20.





Complete the fractions.

21.





Choose an answer.

- 23. About how much does a baby weigh?
 - a. 8 ounces
 - b. 8 pounds
 - c. 8 gallons

b

About how much milk does a jug hold?

- a. I gram
- b. I gallon
- c. I kilogram

Solve each problem.

24. Baby Ginny weighs 9 pounds. Baby Tyler weighs 13 pounds. How much do the babies weigh altogether?

The babies weigh _____ pounds altogether.

Find the area of each figure.

a

25.



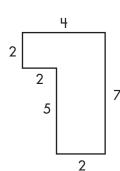


A = _____ sq. units

b



C



A =_____ sq. units A =____ sq. units

Solve.

26. Roxanne is fencing a garden. Two sides of the garden are 18 feet, and the other two are 12 feet. How many feet of fencing will Roxanne need?

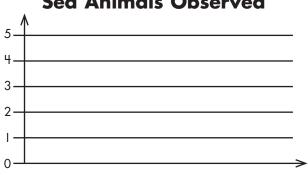
Roxanne will need ______ feet of fencing.

Complete the bar graph.

27.

Sea Animals Observed
Starfish = 5
Clams = 4
Dolphins = 2

Sea Animals Observed



Complete the following.

28. 7:42 means ____ minutes after ___. 7:42 means ___ minutes to ___.

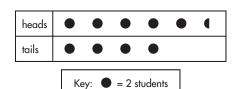
Write the time to the nearest hour, half hour, quarter hour, or minute as indicated.

29.



half hour

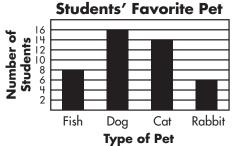
quarter hour



Use this picture graph to answer the following questions.

30. How many students flipped heads? _____

31. How many students flipped tails? _____



Use this bar graph to answer the following questions.

32. Which pet did the most students choose?

33. Which pet did the fewest students choose?

Name each figure. Label each as solid or plane.

34.





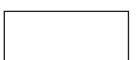


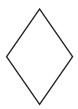
Name each four-sided figure.

35.







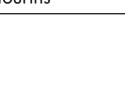


Divide each shape into the given fractional parts. Then, label each piece with an appropriate fraction.

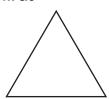
36. halves



fourths



thirds



Complete the patterns.

37.

20

25

30

13

П

Complete the following.

d

38.

3 + 0 = [

 $5 \times 1 =$

 $5 + 3 = \boxed{ + 5 \quad 7 \times 2 = 2 \times \boxed{ }}$

Write the number sentence. For the missing part, use a box (). Solve each number sentence.

39. The product of five and two is what number? ______

The product of five and two is _____.

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

			Perforr	nance	
Chapter Posttest	Your Score	Excellent	Very Good	Fair	Needs Improvement
I	of 54	51-54	44–50	33–43	32 or fewer
2	of 54	51-54	44–50	33–43	32 or fewer
3	of 39	36–39	30–35	23–29	22 or fewer
4	of 59	56-59	48-55	36–47	35 or fewer
5	of 51	48–51	42–47	32–41	31 or fewer
6	of 16	15–16	13–14	11-12	II or fewer
7	of 11	П	9–10	6–8	5 or fewer
8	of 12	12	10–11	7–9	6 or fewer
9	of 12	12	10–11	7–9	6 or fewer
10	of 47	44–47	38–43	28-37	27 or fewer
Mid-Test	of 93	87–93	75–86	56-74	55 or fewer
Final Test	of 110	102-110	89–101	67–88	66 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.

Chapter I

Pretest, page 5

a	b	C	d	е
	~~	70	~ .	~~

Pretest, page 6

9.	63.	27.	36	10.	43.	13.	16; 72
/ •	00,	<i></i> ,	\mathbf{J}		10,	10,	10, / 2

Lesson I.I, page 7

a	b	C	d	е	f
5	1.4	7	0	2	1 Ц

20 15 15 12 6. 20 18

Lesson 1.2, page 8

a	b	C	d	e	f
_	,		_	7	_

17 4 6. 2 8 Т

Lesson 1.3, page 9

а	b	C	d	е	f
00	00	00	00	00	7,

3. 26 47 59 80 77	44
--------------------------	----

Lesson 1.4, page

Lesson 1.5, page 11

Lesson 1.6, page 12

Lesson 1.7, page 13

5.	95	68	91	55	58	75
	. •					. •

Lesson 1.8, page 14

a	b	C	d	е	T.
13	97	63	36	5 I	46

- **1.** 13 97 63 36 51 46
- **2.** 70 | 17 | 52 | 33 | 42 | 13
- **3.** 84 79 75 87 8 72
- **4.** 67 93 14 23 40 47
- **5.** 14 18 30 19 73 71
- **6.** 2 61 99 56 13 91

Lesson 1.9, page 15

- **1.** 52; 39; 91 **2.** 3; 23; 2; 28
- **3.** 27; 31; 58 **4.** 53 **5.** 90

Lesson 1.10, page 16

- **1.** 32; 14; 18 **2.** 15; 11; 4 **3.** 76; 62; 14
- **4.** 17 **5.** 26

Posttest, page 17

	a	b	C	d	e	f
1.	70	39	<i>7</i> I	33	80	27

- **2.** 98 92 50 70 48 84
- **3.** 60 36 20 75 77 99
- **4.** 91 81 48 90 66 59
- **5.** 88 63 37 26 2 63
- **5.** 00 05 37 20 2 00 **4** 70 15 22 22 110 11
- **6.** 68 15 23 22 49 14
- **7.** 23 60 56 47 64 67
- **8.** 8 16 72 45 40 25

Posttest, page 18

- **9.** 17 **10.** 38 **11.** 19 **12.** 16 **13.** 8
- **14.** 17

Chapter 2

Pretest, page 19

- abcde f
- **I.** 70 178 182 95 199 283
- **2.** 792 979 420 905 369 160

- **3.** 228 277 208 169 77 417
- **4.** 80 121 818 967 599 68
- **5.** 108 64 510 16 94 639
- **6.** 444 442 848 602 732 40
- **7.** 35 52 37 61 609 426
- **8.** 810 44 65 430 534 137

Pretest, page 20

- 9. subtract; 14 10. add; 81 11. add; 73
- **12.** 107 **13.** 204

Lesson 2.1, page 21

- abcde f
- **I.** 118 103 140 118 110 162
- **2.** 94 119 105 113 158 114
- **3.** 102 119 161 115 127 121
- **4.** 114 104 119 102 105 170
- **5.** 100 107 120 111 139 86
- **6.** 139 187 150 118 126 139

Lesson 2.1, page 22

- **1.** 58; 47; 105 **2.** 72; 43; 115
- **3.** 92; 87;179 **4.** 77; 52; 129

Lesson 2.2, page 23

- abcde f
- **I.** 140 61 151 111 94 92
- **2.** 81 110 104 111 121 145
- **3.** 141 44 120 93 91 111
- **4.** 81 134 121 94 62 80
- **5.** 43 101 80 141 127 92
- **6.** 114 122 120 94 88 77 **7.** 93 124 92 70 122 71

Lesson 2.2, page 24

- abcde f
- I. 89 78 88 86 77 39
- **2.** 79 79 67 66 68 86

89

3.	26	8	48	89	69	88
4.	78	58	69	86	59	76
5.	28	58	29	58	<i>7</i> 4	87
6.	85	69	79	75	87	58

57

88

78

87

Le

7.

essor	2.2 ,	page	25			
	a	b	C	d	е	f
ı.	61	109	106	92	90	31
2.	55	<i>7</i> I	84	59	117	$\Pi\Pi$
3.	80	70	105	47	<i>7</i> 4	78
4.	91	91	97	66	72	81
5.	91	67	129	85	89	89
6.	87	89	101	98	71	113
7.	58	91	116	82	79	94
8.	84	64	122	115	124	87
9.	7	78	78	49	91	87

Lesson 2.2, page 26

- **1.** 119; 57; 62 **2.** 162; 54; 108
- **3.** 117; 59; 58 **4.** 153; 62; 91

Lesson 2.3, page 27

a	b	C	d	е	f
I. 685	1,153	933	1,123	444	1,656
2. 1,175	1,030	1,570	1,042	1,280	868
3. 1,282	1,001	68 I	973	1,356	1,194
4. 982	944	367	404	414	1,234
5. 1,424	850	1,378	1,350	446	812
6. 1,334	1,070	880	1,251	1,125	839
7. 465	922	1.334	521	967	874

Lesson 2.3, page 28

- **1.** 232; 179; 411 **2.** 543; 476; 1,019
- **3.** 639; 722; 1,361 **4.** 324; 187; 511

Lesson 2.4, page 29

	a	D	C	a	E	
1.	212	593	489	120	480	148
2.	408	206	279	106	377	190
3.	331	399	519	189	577	321
4.	114	208	529	171	448	220
5.	86	627	25	350	86	838
6.	281	349	225	336	129	485

Lesson 2.4, page 30

- **1.** 990; 587; 403 **2.** 530; 147; 383
- **3.** 600; 230; 370 **4.** 171 **5.** 197

Lesson 2.5, page 31

	а	b	C	d	е	f
ı.	369	901	417	732	52 I	290
2.	1,108	606	1,075	1,005	397	476
3.	847	711	931	550	53 I	506
4.	1.055	589	812	902	382	695

Lesson 2.6, page 32

	a	D	C	a	е	Т
Ι.	570	238	33	326	165	222
2.	121	15	226	112	129	296
3.	399	220	106	263	264	405
4.	187	462	437	303	215	198

Lesson 2.7, page 33

	a	D	C	a	е	Т
ı.	131	179	91	94	422	214
2.	268	62	337	60	779	60
3.	44 <i>7</i>	77	89	175	198	99
4.	1,403	313	860	79	465	769
5.	905	365	370	198	204	915
6.	223	922	689	396	302	93
7.	<i>7</i> 5	119	120	649	905	293
8.	106	585	349	91	402	344
0	1 344	112	300	580	140	628

Lesson 2.7, page 34

	a	b	C	d	е	f
Ι.	131	158	86	117	664	640
2.	401	162	520	140	197	102
3.	1,111	164	620	999	329	716
4.	397	108	183	409	889	105
5.	88	147	591	430	406	206
6.	306	463	378	106	403	631
7.	677	728	582	928	272	142
8.	256	459	93	452	96	930
9.	340	120	455	241	239	243

Posttest, page 35

	a	b	C	d	е	f
I.	167	345	249	402	922	868
2.	279	375	1750	345	1,273	360
3.	969	407	856	1,042	915	990
4.	829	715	1029	527	725	010,1
5.	137	106	78	40	270	186
6.	288	617	231	115	394	364
7.	159	477	187	683	485	169
8.	310	335	224	478	341	107

Posttest, page 36

9. 6 **10.** 8 **11.** 219 **12.** 1,223 **13.** 28 **14.** 76

Chapter 3

Pretest, page 37

	а	b	C	d	e
١.	39	162	62	22	126
2.	961	730	1308	1444	1691
3.	6556	9315	6796	7162	997 I
4.	960	1540	380	3340	388 I
5.	1675	3811	733	111 <i>7</i>	830
6.	2822	292	391	300	3780
7.	540	900	480	1.000	

Pretest, page 38

8. 11 **9.** 205 **10.** 1759 **11.** 2,812

12. 100 - 60 = 40 **13.** 40 + 30 = 70

Lesson 3.1, page 39

	a	b	C	d	е	t
Ι.	18	20	31	44	97	16
2.	133	153	123	83	142	150
3.	251	120	120	223	157	55
4.	163	183	188	39	120	212
5	224	202	215	73	IQI	202

Lesson 3.1, page 40

1. 23; 16; 14; 7; 60 **2.** 9; 6; 7; 22

3. 53; 44; 18; 115 **4.** 25

Lesson 3.2, page 41

a b c d e f 1. 1,0401,594 650 1,7941,616 914

2. 1,612 973 2,417 445 1,100 723

3. 2,027 2,158 1,489 1,673 1,239 1,867

4. 660 1,612 1,285 1,279 1,802 1,353

5. 2,533 1,487 1,980 525 1,774 2,280

Lesson 3.2, page 42

1. 135; 213; 159; 507

2. 186; 175; 182; 543 **3.** 2,325 **4.** 442

Lesson 3.3, page 43

 a
 b
 c
 d
 e
 f

 1. 9,057 9,873 7,389 7,464 9,469 9,803
 9,469 9,803
 9,793 8,052

 2. 3,764 9,990 9,311 7,296 9,793 8,052

 3. 7,757 9,281 8,405 4,065 9,173 8,485

 4. 8,420 9,465 3,578 8,874 9,717 9,512

 5. 7,413 9,232 5,532 9,044 9,768 6,708

6. 7,437 7,309 6,858 9,914 9,292 9,905

Lesson 3.3, page 44

- **I.** 1,523; 1,695; 3,218
- **2.** 1,200; 1,320; 2,520 **3.** 2,122 **4.** 2,600

Lesson 3.4, page 45

- a b c d e
- **I.** 7483 6736 4661 1742 894
- **2.** 1882 8080 6982 7882 3872
- **3.** 4092 595 1582 5291 7481
- **4.** 6891 2795 7492 3493 2791
- **5.** 8891 2893 1781 2892 7641
- **6.** 4672 3480 6891 3294 4573

Lesson 3.4, page 46

- 1. 2,532; 1,341; 1,191
- **2.** 1,250; 495; 755
- **3.** 1,986; 103; 1,883 **4.** 54 **5.** 191

Lesson 3.5, page 47

- a b c d
- **1.** 960 | 150 | 190 | 4.030
- **2.** 130 3,450 8,660 7,990
- **3.** 8,800 1,000 3,300 7,900
- **4.** 500 1,300 800 4,400
- **5.** 8,600 1,900 360 1,540
- **6.** 1,900 770 900 90
- **7.** 450 8,710 500 5,330
- **8.** 3,700 120 490 2,400

Lesson 3.5, page 48

- a b c d
- **I.** 540 800 480 960
- **2.** 5,700 9,650 7,400 1,610
- **3.** 600 90 5,400 980
- **4.** 4,930 9,700 600 700
- **5.** 1,100 7,090 7,450 1,140
- **6.** 4,600 3,900 5,100 700
- **7.** 90 960 7,700 540
- **8.** 300 720 150 800

Lesson 3.6, page 49

- **a b c d .** 70 30 110 130
- **1.** 70 30 110 130
- **2.** 140 170 260 250
- **3.** 500 500 1100 800
- **4.** 1500 1600 6200 5300
- **5.** 5000 1300 12000 5000

Lesson 3.6, page 50

1. 900 **2.** 30 **3.** 800 **4.** 130 **5.** 500

Lesson 3.7, page 51

- a b c d
- **1.** 20 40 10 30
- **2.** 380 930 730 480
- **3.** 200 400 300 500
- **4.** 800 2400 4100 7000
- **5.** 5000 6000 1000 8000

Lesson 3.7, page 52

1. 20 **2.** 100 **3.** 200 **4.** 110 **5.** 110

Posttest, page 53

- **a b c d e**1. 63 89 153 102 189
- **2.** 742 630 531 712 902
- **3.** 6293 6348 9256 6553 7974
- **4.** 1791 4490 7171 4194 392
- **5.** 6506 3192 2882 2891 1884
- **6.** 3891 4285 3387 2090 7691
- **7.** 600 90 400 980

Posttest, page 54

- **8.** 115 **9.** 1894 **10.** 110 **11.** 1000
- **12.** 30

Mid-Test

page 55

	a	b	C	d	е
Ι.	8	19	35	26	26
2	47	50	135	70	1.50

page 56

а	b	C	d	е
		-		_

page 57

22. 7

page 58

Chapter 4

Pretest, page 59

	a	b	C	d	e	f
1.	0	5	12	0	30	24
2.	14	27	64	18	20	20
3.	36	27	7	15	12	4

9. 240 200 210 100 50 320

Pretest, page 60

10. 80 **11.** 60 **12.** 15 **13.** 60

Lesson 4.1, page 61

	а	b	C	d	е
ı.	6	14	12	18	16

Lesson 4.2, page 62

	a	b	C	d	е	f
1.	10	15	3	4	12	10
2.	0	1	15	4	0	12
3.	16	10	20	6	25	0
4.	8	0	9	16	6	2
5.	0	9	8	0	6	20
6.	5	0			0	8

Lesson 4.3, page 63

- **1.** 4; 5; 20 **2.** 3; 2; 6 **3.** 4; 2; 8
- **4.** Answers may vary—solution is 5
- 5. Answers may vary—solution is 12

Lesson 4.4, page 64

	a	b	C	d	е	f
Ι.	0	27	30	4	5	18

- 2.
- 3.
- 4.
- 5. 6.

Lesson 4.5, page 65

a	b	C	d	е	f
---	---	---	---	---	---

- Ι.
- 2.
- 3.
- 4.
- 5.
- 6.

Lesson 4.6, page 66

- **1.** 6; 5; 30 **2.** 7; 9; 63
- **3.** 4; 8; 32
- **4.** Answers may vary—solution is 35
- **5.** Answers may vary—solution is 36

Lesson 4.7, page 67

	a	b	C	d	е	f
1.	90	20	90	240	160	490

- 2.
- 3.
- 4.

Lesson 4.7, page 68

		a	b	C	d	е	f
--	--	---	---	---	---	---	---

- Ι.
- 2.
- 3.
- 4.
- **5.**
- 6.

7.

8.

Lesson 4.8, page 69

- **1.** 60; 3; 180 **2.** 20; 4; 80
- **3.** 30; 4; 120 **4.** 20 **5.** 60

Lesson 4.9, page 70

1. 84 **2.** 70 **3.** 25 **4.** 98

Posttest, page 71

- d f a b C е
- Ι. 2.
- 3.
- 4.
- 5.
- 6.
- .
- 8.
- 9.

Posttest, page 72

10. 20 **11.** 120 **12.** 150 **13.** 14 **14.** 80

Chapter 5

Pretest, page 73

- b d a C e
- ١. ı
- 2. 3.
- 4.
- 5.
- 6. ı
- .
- 8.
- 9. I

Pretest, page 74

10. 9 **11.** 6 **12.** 8 **13.** 3 **14.** 2 **15.** 9

Lesson 5.1, page 75

- **1.** 12; 2 **2.** 24; 3 **3.** 36; 9 **4.** 4; 8; 2
- **5.** 7; 35; 5 **6.** 20; 4 **7.** 27; 3 **8.** 6; 3
- **9.** 3; 15; 5 **10.** 2; 14; 7

Lesson 5.1, page 76

- Ia. 4; 4; $4 \times 3 = 12$
- **1b.** 3; 3; $3 \times 4 = 12$
- **2a.** 4; 5; 5; $5 \times 4 = 20$
- **2b.** 5; 4; 4; $4 \times 5 = 20$
- **3a.** 12; 2; 6; 6; $6 \times 2 = 12$
- **3b.** 12; 6; 2; 2; $2 \times 6 = 12$

Lesson 5.2, page 77

- **Ia.** 2; $3 \times 2 = 6$ **Ib.** 7; $2 \times 7 = 14$
- **Ic.** 5; $1 \times 5 = 5$ **Id.** 2; $2 \times 2 = 4$
- **1e.** 4; $1 \times 4 = 4$ **2a.** 9; $3 \times 9 = 27$
- **2b.** 3; $1 \times 3 = 3$ **2c.** 9; $2 \times 9 = 18$
- **2d.** 7; $1 \times 7 = 7$ **2e.** 7; $3 \times 7 = 21$
- **3a.** 4; $3 \times 4 = 12$ **3b.** 8; $2 \times 8 = 16$
- **3c.** 5; $1 \times 5 = 5$ **3d.** 6; $3 \times 6 = 18$
- **3e.** 5; $2 \times 5 = 10$ **4a.** 6; $1 \times 6 = 6$
- **4b.** 8; $1 \times 8 = 8$ **4c.** 4; $2 \times 4 = 8$
- **4d.** 2; $1 \times 2 = 2$ **4e.** 1; $1 \times 1 = 1$
- **5a.** 8; $3 \times 8 = 24$ **5b.** 3; $3 \times 3 = 9$
- **5 c.** 9; $1 \times 9 = 9$ **5d.** 3; $2 \times 3 = 6$
- **5e.** 1; $2 \times 1 = 2$

Lesson 5.2, page 78

- **1.** 18; 3; 6 **2.** 16; 2; 8 **3.** 12; 2; 6
- **4.** 5 **5.** 9

Lesson 5.3, page 79

- **Ia.** 9; $6 \times 9 = 54$ **Ib.** 9; $3 \times 9 = 27$
- **Ic.** 8; $6 \times 8 = 48$ **Id.** 5; $5 \times 5 = 25$
- **1e.** 9; $4 \times 9 = 36$ **2a.** 6; $5 \times 6 = 30$
- **2b.** 6; $4 \times 6 = 24$ **2c.** 8; $4 \times 8 = 32$
- **2d.** $4 : 4 \times 4 = 16$ **2e.** $5 : 4 \times 5 = 20$

- abcde
- **3.** 6 7 7 4 7
- **4.** 9 2 8 8 3
- **5.** 4 8 3 9 3
- **6.** 3 7 6 1 9

Lesson 5.3, page 80

- **1.** 24; 6; 4 **2.** 30; 6; 5 **3.** 42; 6; 7
- **4.** 3 **5.** 8

Lesson 5.4, page 81

- **Ia.** 1; $7 \times 1 = 7$ **Ib.** 4; $6 \times 4 = 24$
- **Ic.** 7; $8 \times 7 = 56$ **Id.** 5; $6 \times 5 = 30$
- **1e.** 8; $8 \times 8 = 64$ **2a.** 2; $6 \times 2 = 12$
- **2b.** 5; $7 \times 5 = 35$ **2c.** 3; $8 \times 3 = 24$
- **2d.** 4; $7 \times 4 = 28$ **2e.** 6; $6 \times 6 = 36$
 - **a b c d e 3.** 7 9 8 7 3
- **4.** 2 2 3 6 5
- **5.** 7 2 3 1 6
- **6.** 3 6 1 9 5

Lesson 5.4, page 82

1. 72; 9; 8 **2.** 40; 8; 5 **3.** 16; 8; 2 **4.** 9

Lesson 5.5, page 83

- **a b c d e** 5 4 3 9 3
- 1. 5 4 3 9 3 2. 9 9 8 7 1
- **3.** 8 7 4 7 9
- **4.** 2 2 5 3 3
- **5.** 6 5 1 9 3 **6.** 4 9 4 6 9
- **7.** | 8 6 9 8
- **8.** 6 5 7 6 5
- **9.** 3 4 9 2 I
- **10.** 7 7 9 2 7

Lesson 5.6, page 84

	a	b	C	d	е	t
I.	2	2	9	9	9	2

Lesson 5.7, page 85

Posttest, page 86

	a	b	C	d	е
Ι.	4	8	7	6	4

Posttest, page 87

Chapter 6

Pretest, page 88

	a	b	
ı.	<u>2</u> 3	<u> </u>	<u> </u>

2.
$$\frac{2}{4}$$
 $\frac{6}{8}$

Pretest, page 89

	u	D	•
5.	$\frac{1}{2} > \frac{1}{4}$	$\frac{2}{3} < \frac{3}{4}$	$\frac{1}{4} < \frac{1}{3}$

6.
$$\frac{3}{4} > \frac{1}{2}$$
 $\frac{1}{2} > \frac{1}{3}$ $\frac{1}{2} = \frac{2}{3}$

7.
$$\frac{3}{8}$$
 $1 = \frac{8}{8}$

Lesson 6.1, page 90

	a	b	C
1.	$\frac{1}{3}$	<u>3</u>	<u>4</u> 5
2.	$\frac{1}{10}$ $\frac{2}{3}$	3 8 4 8	1/2
2. 3. 4.	<u>2</u> 3		$\frac{2}{5}$ $\frac{4}{10}$
4.	<u>2</u>	<u>3</u> 5	4 10

Lesson 6.2, page 91

	a	D	C	
3.	<u>4</u> 5	<u> </u>	4 8	
3.	10	<u>2</u> 3	<u>3</u>	
3.	$\frac{1}{2}$	<u>2</u> 5	910	
	а	b	c	d
4.		00		A \(\triangle \)

Lesson 6.3, page 92

	a	b	C
ı.	$\frac{1}{4} < \frac{3}{4}$	$\frac{1}{2} = \frac{2}{4}$	$\frac{2}{3} > \frac{1}{2}$
2.	$\frac{7}{10} > \frac{3}{5}$	$\frac{3}{8} < \frac{3}{4}$	$\frac{1}{3} < \frac{5}{8}$
3.	$\frac{1}{5} = \frac{2}{10}$	$\frac{3}{4} > \frac{1}{2}$	$\frac{6}{10} > \frac{2}{3}$

Lesson 6.3, page 93

	a	b	c
ı.	$\frac{1}{2} = \frac{2}{4}$	$\frac{2}{3} < \frac{3}{4}$	$\frac{1}{5} < \frac{2}{5}$
2.	$\frac{3}{4} < \frac{7}{8}$	$\frac{2}{3} > \frac{1}{4}$	$\frac{5}{8} < \frac{2}{3}$
3.	$\frac{4}{5} = \frac{8}{10}$	$\frac{1}{2} < \frac{3}{4}$	$\frac{5}{8} < \frac{8}{10}$

Lesson 6.4, page 94

Lesson 6.5, page 95

- 1. no; $\frac{2}{9}$ and $\frac{1}{4}$ or $\frac{4}{8}$ and $\frac{2}{4}$ or $\frac{6}{8}$ and $\frac{3}{4}$
- **2.** no; $\frac{1}{3}$ and $\frac{2}{6}$ or $\frac{2}{3}$ and $\frac{4}{6}$

Lesson 6.6, page 96

1. $\frac{4}{4}$ 2. $\frac{3}{3}$ 3. $\frac{2}{2}$ 4. $\frac{5}{5}$ 5. $\frac{10}{10}$ 6. $\frac{8}{8}$

Posttest, page 97

- ı.

- 2.

Posttest, page 98

- 5. $\frac{1}{5} < \frac{2}{5}$ $\frac{1}{3} < \frac{7}{8}$ $\frac{4}{8} = \frac{1}{2}$

8. \frac{4}{4}, |

Chapter 7

Pretest, page 99

- b a
- Ι. С a
- 2. 120
- 3a.

50	l	Favor	ite S _I	ports	
45					
40					
35 30					
25					
20					
15					
13 —					
10					
2					
0—	Basebo	ıll	Soccer	F	ootball

3b.

3rd Graders' Bedtimes		
8:00	0 0	
8:30	0	
9:00	0000	

Pretest, page 100

- b
- 12 4. 12
- **6.** 18 **7.** 48 **8.** 216

Lesson 7.1, page 101

- 1. 90 kilograms 2. 500 liters
- **3.** 5,000 grams **4.** I gram **5.** 46
- **6.** 2 **7.** 7 **8.** 10

Lesson 7.1, page 102

- 1. 1,000 liters 2. 1 gram 3. 2 liters
- **4.** 700 grams **5.** 36 **6.** 100 **7.** 24 **8.** 5

Lesson 7.2, page 103

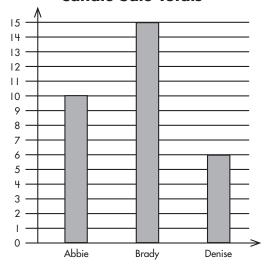
Flowers In My Garden

Daisies	888888
Roses	8888
Sunflowers	88

15 total flowers

Lesson 7.3, page 104

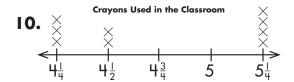
Candle Sale Totals



9 more candles

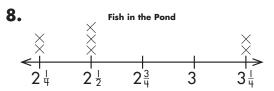
Lesson 7.4, page 105

- 1. $4\frac{1}{4}$ 2. $4\frac{1}{2}$ 3. $5\frac{1}{4}$ 4. $4\frac{1}{2}$ 5. $5\frac{1}{4}$
- **6.** 5 \(\frac{1}{4}\) **7.** 4 \(\frac{1}{4}\) **8.** 5 \(\frac{1}{4}\) **9.** 4 \(\frac{1}{4}\)



Lesson 7.4, page 106

- 1. $2\frac{1}{2}$ 2. $3\frac{1}{4}$ 3. $2\frac{1}{2}$ 4. $2\frac{1}{4}$ 5. $2\frac{1}{4}$
- **6.** $2\frac{1}{2}$ **7.** $3\frac{1}{4}$



Lesson 7.5, page 107

1. 12 **2.** 10 **3.** 24 **4.** 28 **5.** 7 **6.** 12

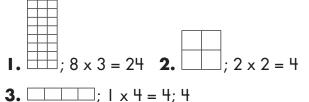
Lesson 7.5, page 108

- **2.** A = 8 sq. cm A = 28 sq. cm A = 5

Lesson 7.6, page 109

a b c d 1. 75 56 40 300 **2.** 175 40 160 160

Lesson 7.6, page 110



Lesson 7.7, page 111

- 1. Drawings may vary; 20
- 2. Drawings may vary; 41
- 3. Drawings may vary; 24

Lesson 7.8, page 112

- **1.** 80 **2.** 90 **3.** 450 **4.** 81 **5.** 810
- **6.** 56 **7.** 90

Lesson 7.9, page 113

- a
- b
- I. 14
- 30
- 2. 225
- 28

C

- 3. 5
- 120 55 8 30

Lesson 7.9, page 114

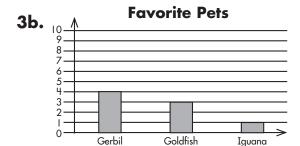
- **1.** 25 **2.** 100 **3.** 52 **4.** 306 **5.** 192
- **6.** 36 **7.** 40

Posttest, page 115

- a
 - b
- Ι. a
- b
- 2. 8
- 3a.

Miles Canoed		
Team #1	XXX	
Team #2	XX	
Team #3	X X X X X X X	

$$Key X = 20$$



Posttest, page 116

- - b

9

6. 12 **7.** 33 **8.** 27

Chapter 8

Pretest, page 117

- a
- C d
- **I.** 32; 2 28; 3
- 2. 45; 3 15; 4
- 6; 7 10; 10
- 2:00 1:30 1:45 1:43

b

- 7:45 1:30
- 6. 2:15 pm 4 hrs. 5 hours

Lesson 8.1, page 118

- a
- b
- **I.** 15; 6 10; 12
- **2.** 50; 7 10; 8
- **3.** 45; 12 15; I
- 30; 2 30; 1
 - a
- b
- d C

- 4:20
- 6:13
- 7:10 1:50
- 6:45 6.
- 8:09
- 12:30 2:23

Lesson 8.1, page 119

- a 2:00
- b
- C 2:15
- 2:20

d

8:36

2. 9:00

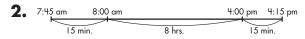
Ι.

- 2:30 8:30
- 8:30
- b a
- 3.

Lesson 8.2, page 120



3 hours, 25 minutes



8 hours, 30 minutes

Posttest, page 121

a

b

d

1. 15; 4 15; 8

2. 55; 12 5; 1

3. 23; 3 20; 7

4. 7:00 7:30

7:15

7:19



3 hours, 30 minutes



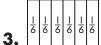
6 hours, 15 minutes

Chapter 9

Pretest, page 122







4. 4; 4; 0 **5.** 0; 0 ;0 **6.** 4; 4; 0

7. 6; 0; 0; 12 **8.** 1; 4; 0; 8 **9.** 0; 0; 0; 0

Lesson 9.1, page 123

b

d C

3

2.

3.

4.

3

Lesson 9.2, page 124

1. 6; 0; 0 **2.** 0; 6; 0 **3.** 1; 0; 4 **4.** 0

5. 8 **6.** 12 **7.** 12 **8.** 5 **9.** Answers may vary.

10. Answers may vary.

Lesson 9.3, page 125

6. square

Lesson 9.4, page 126

2.

4.



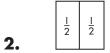


7. $\frac{1}{2}$



Posttest, page 127

a



a b c d3. rectangle rhombus square quadrilateral4. 4 12 4 8

Chapter 10

Pretest, page 128

a b c d
1. 18 14 10 6
2. 4 5 6, 7

3. 20 25 30 35 **4.** 32 64 128 256

5. 7 9 11 13

6. 7 6 5 4

7. $36 \div \Box = 6$; 6 **8.** $5 \times 4 = \Box$; 20

9. $\Box \div 3 = 7$; 21 **10.** $\Box \times 4 = 24$; 6

11. $35 \div 5 = \square$; 7 **12.** $9 \times \square = 18$; 2

13. $\Box \div 3 = 6$; 18

Pretest, page 129

 a
 b
 c
 d

 14.
 0
 5
 7
 6

 15.
 7
 5
 3
 2

16. 30; 30 48; 48 10; 10

17. 7; 2 48; 48

17c. $6 \times 4 = 24$; $24 \times 5 = 120$; 120

18. 7; 14; 14; 28

19. 7; 60; 42; 102

20. 7; 56; 49; 105

Lesson 10.1, page 130

b C a 8 10 12 Ι. 2. 7 9 \prod 14 12 3. 10 3 4. 6 1 9 8 10 5. 20 6. 25 30 **7.** 12 15 18

8.	70

110 160

10.

Lesson 10.2, page 131

a	
4	

7

ı

4

4

5

6

3

5

4.

6.

7.

П

6

2 2

Lesson 10.2, page 132

Ia.
$$8 \times 3 = 24$$
: 2^{1}

3

Ia.
$$8 \times 3 = 24$$
; $24 \times 2 = 48$; $d = 48$

1b.
$$2 \times 9 = 18$$
; $18 \times 2 = 36$; $h = 36$

2b.
$$7 \times 4 = 28$$
; $28 \times 2 = 56$; $g = 56$

Lesson 10.2, page 133

1.
$$2 + 3 = \Box$$
; five **2.** $7 - 2 = \Box$; five

3.
$$4 \times 3 = \Box$$
; twelve **4.** $14 \div 2 = \Box$; seven

5.
$$5 + \Box = 7$$
; two **6.** $13 - \Box = 10$; three

Lesson 10.2, page 134

1.
$$27 \div \Box = 3$$
; 9 **2.** $\Box \div 8 = 8$; 64

3.
$$12 \div 3 = \Box$$
; $4 + 4 \times 9 = \Box$; 36

5.
$$\Box \times 8 = 56$$
; 7 **6.** $9 \times \Box = 81$; 9

7.
$$20 \div 4 = \Box$$
; 5 **8.** $10 \times \Box = 90$; 9

9.
$$\Box \times 5 = 25$$
; 5 **10.** $\Box \div 7 = 9$; 63

Posttest, page 135

d

7.
$$12 \div 6 = \Box$$
; 2 **8.** $7 \times 3 = \Box$; 21

9.
$$5 + 6 = \square$$
; | | **10.** $\square \div 4 = 8$; 32

II.
$$9 \times \square = 72$$
; 8×12 . $12 \times 5 = \square$; 60

Posttest, page 136

0

3

a	

6

16b.
$$7 \times 1 = 7$$
; $7 \times 2 = 14$; $c = 14$

16c.
$$5 \times 3 = 15$$
; $15 \times 6 = 90$; $k = 90$

Final Test

13.

14.

page 137

	a
1.	13

3.

4.

12

7. 1881

8. 24

Page 138

120

180

ı

5

d

Page 139

$$\frac{1}{2}$$

17.
$$\frac{1}{2} < \frac{3}{4}$$

$$\frac{1}{2} = \frac{2}{4}$$

$$\frac{1}{3} < \frac{1}{2}$$

$$\frac{2}{3} < \frac{3}{4}$$
 $\frac{3}{4}$ $\frac{3}{4}$

19.
$$\frac{1}{0}$$
 $\frac{3}{4}$ $\frac{3}{4}$

21.
$$\frac{4}{4}$$
 22. $\frac{3}{3}$

Page 140

a b b

23.

b

24.

22

9

a

b 14 C

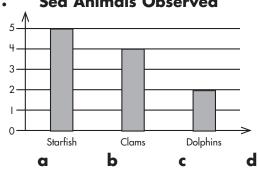
18

25.

26. 60

Page 141

27. Sea Animals Observed



42; 7 28.

3:00

18;8

3:30

3:15

3:16

30. 11 **31.** 8 **32.** dog **33.** rabbit

Page 142

29.

34a. circle; plane 34b. sphere; solid

34c. rectangular prism; solid

34d. cylinder; solid **35a.** quadrilateral

35b. square **35c.** rectangle **35d.** rhombus

36a.



36b.





a **37.** 35

b 40

5

7

d 5

38.

3

7

3 **39.** $5 \times 2 = \square$; 10

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:

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

Math



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

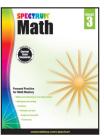
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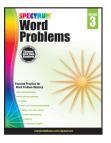
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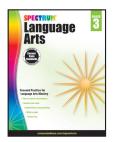
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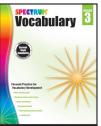


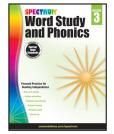




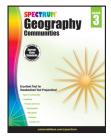














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