NAME _____ DATE _____ PERIOD _____

1-1 Practice: Skills

A Plan for Problem Solving

Use the four-step plan to solve each problem.

1. **GEOGRAPHY** The president is going on a campaign trip to California, first flying about 2,840 miles from Washington D.C. to San Francisco and then another 390 to Los Angeles before returning the 2,650 miles back to the capital. How many miles will the president have flown?

2. **POPULATION** In 1990, the total population of Sacramento, CA was 369,365. In 2000, its population was 407,018. How much did the population increase?

3. **MONEY** The Palmer family wants to purchase a DVD player in four equal installments of $64. What is the cost of the DVD player?

4. **COMMERCIALS** The highest average cost of a 30-second commercial in October, 2002 is $455,700. How much is this commercial worth per second?

5. A tennis tournament starts with 16 people. The number in each round is shown in the table. How many players will be in the 4th round?

1st Round	16
2nd Round	8
3rd Round	4
4th Round	?

Complete the pattern.

6. 2, 4, 8, 16, 32, ___

7. 16, 19, 22, 25, 28, 31, ___

8. 81, 72, 63, 54, ___

9. 5, 15, 20, 30, 35, 45, 50, ___

10. 50, 40, 45, 35, 40, 30, 35, ___, ___, ___, ___

11. 6, 12, 18, ___, ___, ___, ___

NAME _____ DATE _____ PERIOD _____

1-2 Practice: Skills

Divisibility Patterns

Tell whether the first number is divisible by the second number.

1. 527; 3
2. 1,048; 6
3. 693; 9
4. 1,974; 2
5. 305; 10
6. 860; 5
7. 4,672; 9
8. 2,310; 6
9. 816; 3
10. 13,509; 5
11. 2,847; 2
12. 192; 6

Tell whether each number is divisible by 2, 3, 4, 5, 6, 9, or 10. Then classify the number as *even* or *odd*.

13. 24
14. 27
15. 90
16. 81
17. 104
18. 205
19. 1,000
20. 6,598
21. 399
22. 27,453
23. 33,324
24. 16,335

Use divisibility rules to find each missing digit. List all possible answers.

25. 1__2 is divisible by 9
26. 1,__24 is divisible by 4
27. 1,25__ is divisible by 3
28. 5,__32 is divisible by 6
29. 31,45__ is divisible by 5
30. 1,679,83__ is divisible by 2

Lesson 1–2

NAME _____ DATE _____ PERIOD _____

1-3 Practice: Skills

Prime Factors

Tell whether each number is *prime*, *composite*, or *neither*.

1. 0 **2.** 1 **3.** 2 **4.** 3

5. 4 **6.** 5 **7.** 6 **8.** 7

9. 8 **10.** 9 **11.** 10 **12.** 11

Find the prime factorization of each number.

13. 9 **14.** 25

15. 28 **16.** 54

17. 34 **18.** 72

19. 55 **20.** 63

SCHOOL For Exercises 21–24, use the table below.

Marisa's History Test Scores	
Date	**Test Score**
January 28	67
February 15	81
March 5	97
March 29	100

21. Which test scores are prime numbers?

22. Which prime number is the least prime number?

23. Find the prime factorization of 100.

24. Find the prime factorization of 81.

NAME _____ DATE _____ PERIOD _____

1-4 Practice: Skills

Powers and Exponents

Write each expression in words.

1. 7^2

2. 8^3

3. 4^4

4. 5^6

Write each product using an exponent. Then find the value of the power.

5. $4 \cdot 4 \cdot 4 \cdot 4$

6. $3 \cdot 3 \cdot 3 \cdot 3$

7. $5 \cdot 5 \cdot 5 \cdot 5$

8. $7 \cdot 7$

9. $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$

10. $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$

11. $6 \cdot 6 \cdot 6$

12. $6 \cdot 6 \cdot 6 \cdot 6$

Write each power as a product. Then find the value of the product.

13. 3^8

14. 2^5

15. 8^3

16. 10^5

17. 6^2

18. 7^4

19. 2^3

20. 3^5

21. 6^5

22. 2^7

Write the prime factorization of each number using exponents.

23. 54

24. 36

25. 63

26. 245

Lesson 1–4

NAME _____ DATE _____ PERIOD _____

1-5 Practice: Skills

Order of Operations

Find the value of each expression.

1. $7 - 6 + 5$

2. $31 + 19 - 8$

3. $64 - 8 + 21$

4. $17 + 34 - 2$

5. $28 + (89 - 67)$

6. $(8 + 1) \times 12 - 13$

7. $63 \div 9 + 8$

8. $5 \times 6 - (9 - 4)$

9. $13 \times 4 - 72 \div 8$

10. $16 \div 2 + 8 \times 3$

11. $30 \div (21 - 6) \times 4$

12. $6 \times 7 \div (6 + 8)$

13. $88 - 16 \times 5 + 2 - 3$

14. $(2 + 6) \div 2 + 4 \times 3$

15. $4^3 - 24 \div 8$

16. $100 \div 5^2 \times 4^3$

17. $48 \div 2^3 + 25 \times (9 - 7)$

18. $45 \div 9 + 8 - 7 + 2 \times 3$

19. $18 + 7^2 \times (8 - 2) \div 3 + 8$

20. $(5^2 + 3^3) \times (81 + 9) \div 10$

NAME _____ DATE _____ PERIOD _____

1-6

Practice: Skills

Algebra: Variables and Expressions

Complete the table.

Algebraic Expressions	Variables	Numbers	Operations
1. $5d + 2c$	?	?	?
2. $5w - 4y + 2s$	?	?	?
3. $xy \div 4 + 3m - 6$	?	?	?

Evaluate each expression if $a = 3$ and $b = 4$.

4. $10 + b$

5. $2a + 8$

6. $4b - 5a$

7. $a \times b$

8. $7a \times 9b$

9. $8a - 9$

10. $b \times 22$

11. $a^2 + 1$

12. $18 \div 2a$

13. $a^2 \times b^2$

14. $ab \div 3$

15. $15a - 4b$

16. $ab + 7 \times 11$

17. $36 \div 6a$

18. $7a + 8b \times 2$

Evaluate each expression if $x = 7$, $y = 15$, and $z = 8$.

19. $x + y + z$

20. $x + 2z$

21. $xz + 3y$

22. $4x - 3z$

23. $z^2 \div 4$

24. $6z - 5z$

25. $9y \div (2x + 1)$

26. $15y + x^2$

27. $y^2 + 4 \times 6$

28. $y^2 - 2x^2$

29. $x^2 + 30 - 18$

30. $13y - zx \div 4$

31. $xz - 2y + 8$

32. $z^2 + 5y - 20$

33. $3y \times 40x - 1{,}000$

Lesson 1–6

NAME _____ DATE _____ PERIOD _____

1-7

Practice: Skills

Algebra: Solving Equations

Solve each equation mentally.

1. $9 - m = 8$

2. $4 + k = 11$

3. $23 - x = 10$

4. $31 - h = 21$

5. $18 = 20 - b$

6. $16 + z = 25$

7. $y - 25 = 3$

8. $7 + f = 15$

9. $20 + r = 25$

10. $18 - v = 9$

11. $26 - d = 19$

12. $49 - c = 41$

13. $45 + r = 59$

14. $64 + n = 70$

15. $175 = w + 75$

***True* or *False*?**

16. If $31 + h = 50$, then $h = 29$.

17. If $48 = 40 + k$, then $k = 8$.

18. If $17 - x = 9$, then $x = 7$.

19. If $98 - g = 87$, then $g = 11$.

20. If $p - 8 = 45$, then $p = 51$.

Identify the solution of each equation from the list given.

21. $s + 12 = 17$; 5, 6, 7

22. $59 - x = 42$; 15, 16, 17

23. $24 - k = 3$; 21, 22, 23

24. $h - 15 = 31$; 44, 45, 46

25. $69 = 50 + s$; 17, 18, 19

26. $34 - b = 13$; 20, 21, 22

27. $66 - d = 44$; 21, 22, 23

28. $h + 39 = 56$; 15, 16, 17

29. $54 + f = 70$; 16, 17, 18

30. $47 = 72 - b$; 25, 26, 27

31. $28 + v = 92$; 64, 65, 66

32. $56 + c = 109$; 52, 53, 54

NAME _____ DATE _____ PERIOD _____

1-8

Practice: Skills

Geometry: Area of Rectangles

Complete each problem.

1. Give the formula for finding the area of a rectangle.

2. Draw and label a rectangle that has an area of 18 square units.

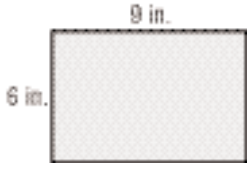
3. Give the dimensions of another rectangle that has the same area as the one in Exercise 2.

4. Find the area of a rectangle with a length of 3 miles and a width of 7 miles.

5. Find the area of a rectangle with a width of 54 centimeters and a length of 12 centimeters.

Find the area of each rectangle.

6.



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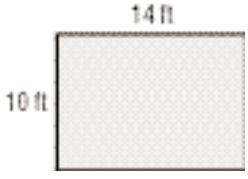

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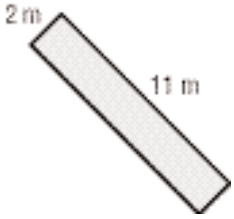

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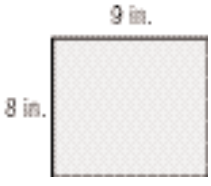

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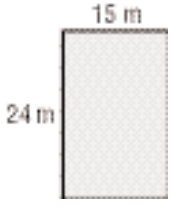

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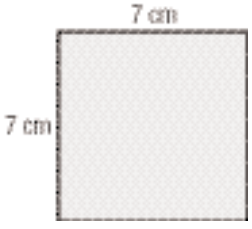


Lesson 1–8

NAME _____ DATE _____ PERIOD _____

2-1 Practice: Skills

Frequency Tables

Make a frequency table for each set of data.

1.

Class Quiz Scores		
4	10	8
6	9	9
8	7	7
7	5	8
8	8	10
9	6	8

2.

Students' Eye Colors				
R	G	R	L	H
L	L	V	G	R
R	R	L	R	R
R	H	L	R	H
H	R	R	G	R

L = Blue R = Brown
G = Green H = Hazel
V = Violet

MOVIES Use the frequency table shown.

All-Time Top 27 Kids' Films		
Gross Sales (millions $)	Tally	Frequency
100–149	𝍸 𝍸 ||||	14
150–199	𝍸	5
200–249	||	2
250–299	||||	4
300–349	||	2

3. Describe the scale.

4. Describe the interval.

5. What is the most common gross sales category?

6. How many films grossed more than $299 million?

NAME _____ DATE _____ PERIOD _____

2-2 Practice: Skills

Bar Graphs and Line Graphs

Make a bar graph for each set of data.

1.

Cars Made in 2000	
Country	**Cars (millions)**
Brazil	1
Japan	8
Germany	5
Spain	2
U.S.A.	6

2.

People in America in 1630	
Colony	**People (hundreds)**
Maine	4
New Hampshire	5
Massachusetts	9
New York	4
Virginia	25

Use the bar graph made in Exercise 1.

3. Which country made the greatest number of cars?

4. How does the number of cars made in Japan compare to the number made in Spain?

For Exercises 5 and 6, make a line graph for each set of data.

5.

Yuba County, California	
Year	**Population (thousands)**
1990	59
1992	61
1994	62
1996	61
1998	60
2000	60

6.

Everglades National Park	
Month	**Rainfall (inches)**
January	2
February	2
March	2
April	2
May	7
June	10

7. **POPULATION** Refer to the graph made in Exercise 5. Describe the change in Yuba County's population from 1990 to 2000.

8. **WEATHER** Refer to the graph made in Exercise 6. Describe the change in the amount of rainfall from January to June.

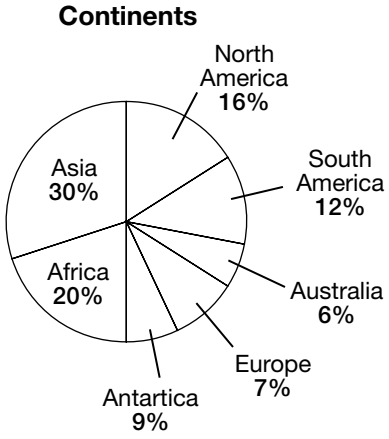
Lesson 2–2

NAME _____ DATE _____ PERIOD _____

2-3 Practice: Skills

Circle Graphs

GEOGRAPHY Use the graph that shows how much of Earth's land that each continent represents.



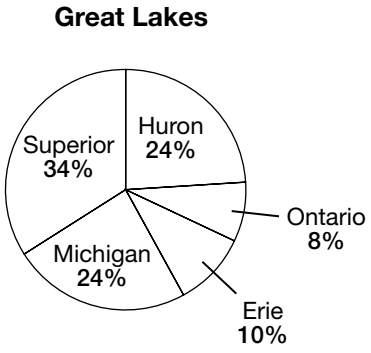
1. Which continent has the greatest area?

2. Which two continents are the smallest?

3. How does the size of Europe compare to the size of Africa?

4. How much larger is Asia than Africa?

LAKES Use the graph that shows how much of the total surface of the Great Lakes each lake takes up.



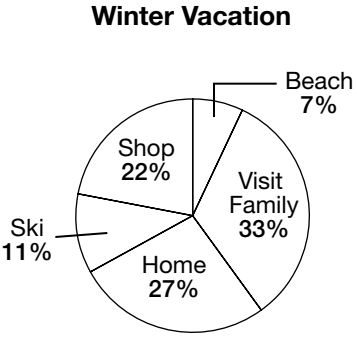
5. Which of the Great Lakes is the smallest?

6. Which two lakes are about the same size?

7. How does Lake Erie compare to Lake Ontario?

8. Which two lakes together are the same size as Lake Superior?

VACATIONS Use the graph that shows how families will spend winter vacation.



9. How will most families spend their vacations?

10. Will more families go to the beach or go shopping?

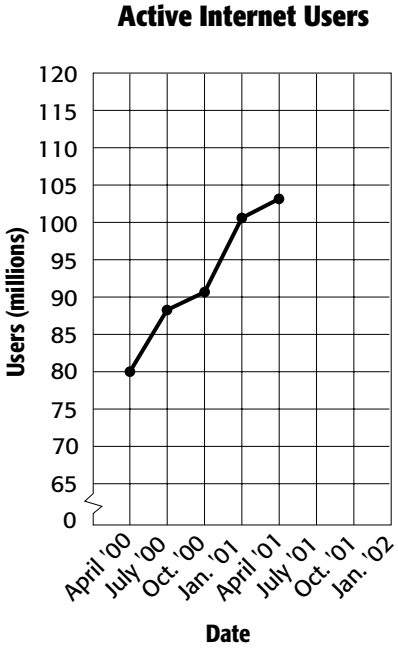
11. Compare how many families will be skiing to how many will be visiting family.

NAME _____ DATE _____ PERIOD _____

2-4 Practice: Skills

Making Predictions

INTERNET Use the graph that shows Internet users in the United States.



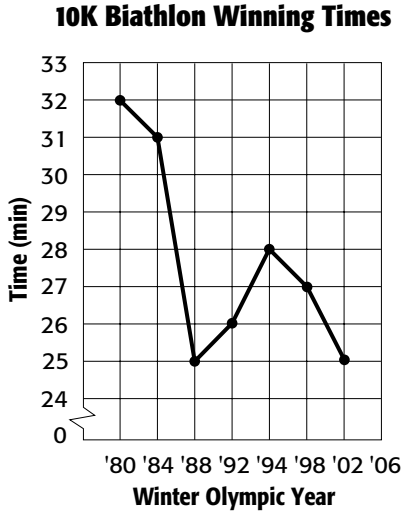
1. Describe the change in active Internet users from April 2000 to April 2001.

2. Predict how many active users there were in October 2001 if the trend continued.

3. Predict when the number of active users exceeded 115 million if the trend continued.

4. Were there more active users in January 2002 or October 2001? Explain.

SPORTS Use the graph that shows the winning times of the 10K Biathlon rounded to the nearest minute.



5. How did the winning time change from 1980 to 2002?

6. To the nearest minute, by how much did the winning time change from 1980 to 2002?

7. Predict the winning time for 2006 if the trend continues.

8. Predict when the winning time will be less than 20 minutes if the trend continues.

Lesson 2–4

NAME _____ DATE _____ PERIOD _____

2-5 Practice: Skills

Stem-and-Leaf Plots

Make a stem-and-leaf plot for each set of data.

1. 18, 16, 13, 20, 33, 58, 32, 14, 61, 67, 52

2. 61, 75, 62, 63, 74, 71, 75, 82, 64, 81, 91, 65

3. $52, $49, $37, $21, $65, $23, $49, $51, $22, $21, $24, $47, $44, $53, $61

4. 82°, 91°, 80°, 55°, 63°, 54°, 83°, 90°, 84°, 91°, 59°, 62°, 50°, 92°, 85°, 92°, 92°

SPORTS For Exercises 5–8, use the stem-and-leaf plot that shows the total number of points earned by each volleyball team at a tournament.

Stem	Leaf
2	9
3	6 6 7 8 9
4	4 5 5 7 9
5	1 4 9
6	1 3 5

4|5 = 45 points

5. What was the greatest number of points earned?

6. What was the least number of points earned?

7. How many teams earned more than 50 points?

8. Between what numbers are most of the points earned?

NAME _____ DATE _____ PERIOD _____

2-6 Practice: Skills

Mean

Find the mean for each set of data.

1. 6, 9, 2, 4, 3, 6, 5

2. 25, 18, 14, 27, 25, 14, 18, 25, 23

3. 13, 6, 7, 13, 6

4. 8, 2, 9, 4, 6, 8, 5

5. 13, 7, 17, 19, 7, 15, 11, 7

6. 1, 15, 9, 12, 18, 9, 5, 14, 7

7. 28, 32, 23, 43, 32, 27, 21, 34

8. 30, 16, 29, 32, 14, 21, 26

9. 42, 35, 27, 42, 38, 35, 29, 24

10. 157, 124, 157, 124, 157, 139

Identify the outlier or outliers in each set of data.

11.

Price	Tally	Frequency
$10	𝍸	4
$20	𝍸 |	5
$30	|||	3
$40	|	1

12.

Stem	Leaf
2	0 1 4 7
3	0 0 1 5 6
4	3 6
5	7

2 | 4 = 24

WEATHER Use the data in the table that shows daily temperatures.

Day	Temp. (°F)
Monday	69
Tuesday	70
Wednesday	73
Thursday	35
Friday	68

13. Identify the outlier.

14. What is the mean of the data with the outlier included?

15. What is the mean of the data without the outlier included?

16. How does the outlier temperature affect the mean of the data?

Lesson 2–6

NAME _____ DATE _____ PERIOD _____

2-7 Practice: Skills

Median, Mode, and Range

Find the mean, median, mode, and range for each set of data.

1. 6, 9, 2, 4, 3, 6, 5

2. 13, 6, 7, 13, 6

3. 1, 15, 9, 12, 18, 9, 5, 14, 7

4. 13, 7, 17, 19, 7, 15, 11, 7

5. 3, 9, 4, 3, 9, 4, 2, 3, 8

6. 25, 18, 14, 27, 25, 14, 18, 25, 23

7. 8, 3, 9, 4, 6, 7, 5

8. 28, 32, 23, 43, 32, 27, 21, 34

9. 157, 124, 157, 124, 157, 139

10. 42, 35, 27, 42, 38, 35, 29, 24

11. Write a sentence that describes how the data items in Exercise 5 vary.

12. Why is mode not the best choice to describe the data in Exercise 5? Explain.

MUSEUMS Use the table showing the number of visitors to the art museum each month.

Vistors to the Art Museum (thousands)			
3	11	5	4
5	3	6	3
12	2	2	4

13. What is the mean of the data?

14. What is the median of the data?

15. What is the mode of the data?

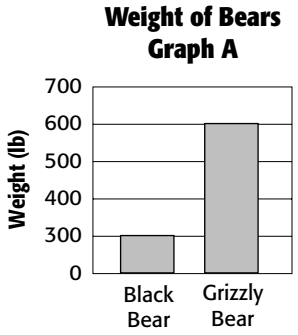
16. Which measure of central tendency best describes the data? Explain.

NAME _____ DATE _____ PERIOD _____

2-8 Practice: Skills

Analyzing Graphs

ANIMALS For Exercises 1–3, use the graph that shows the weight of bears.

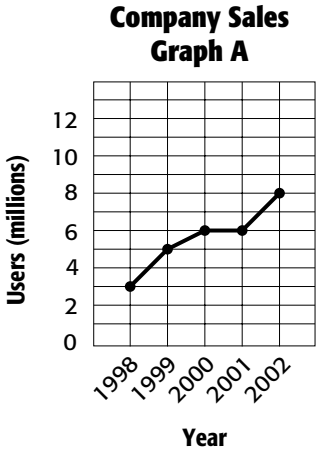


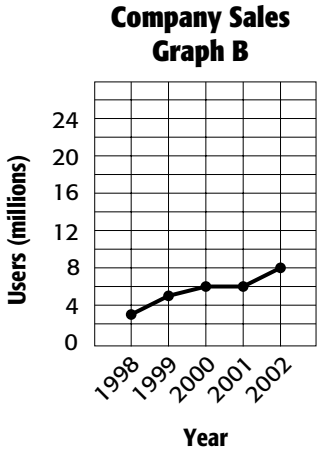
1. About how many times heavier does a grizzly bear appear to be than a black bear?

2. Explain how this graph is misleading.

3. Redraw the graph so that it is not so misleading.

4. **BUSINESS** The graphs below show company sales. Which graph makes the sales appear to be increasing more rapidly? Explain.





BUDGETS Use the table that shows the 2003 budgets for eight national parks.

National Park 2003 Budget	
Park	**Budget ($)**
Acadia	6,000,000
Crater Lake	4,000,000
Denali	11,000,000
Everglades	14,000,000
Mammoth Cave	6,000,000
Olympic	10,000,000
Great Smokies	15,000,000
Zion	6,000,000

5. Find the mean, median, and mode of the data.

6. Which measure would be misleading in describing the average budget for these parks? Explain.

7. Which measure describes the data most accurately? Explain.

Lesson 2–8

NAME _____ DATE _____ PERIOD _____

3-1

Practice: Word Problems

Representing Decimals

BASEBALL For Exercises 1–4, use the table.

The table shows lifetime batting averages for leading baseball players.

Lifetime Batting Averages for Leading Players		
Player	**Team**	**Batting Average**
Tony Gwynn	San Diego Padres	0.338
Mike Piazza	New York Mets	0.325
Derek Jeter	New York Yankees	0.320
Vladimir Guerrero	Montreal Expos	0.319
Edgar Martinez	Seattle Mariners	0.319

1. Write Mike Piazza's batting average in word form.

2. Which digit is in the thousandths place of each player's batting average?

3. What is the batting average for the New York Yankees player in expanded form?

4. Which player's average has a 3 in the hundredths place?

5. BUILDING When measuring board footage for some exotic woods, a carpenter must use 1.25 for thickness rather than 1 in her calculations. Write 1.25 in expanded form.

6. TRAVEL The summer camp Jason attends is exactly four hundred twenty-three and four tenths of a mile from his home. Write *four hundred twenty-three and four tenths* in standard form.

Lesson 3–1

NAME _____ DATE _____ PERIOD _____

3-2 Practice: Word Problems

Comparing and Ordering Decimals

MUSIC For Exercises 1–4, use the table.

The table shows the percent of the music market for each type of music.

Music Industry Sales Statistics, 2001	
Type of Music	**Percent of Market**
Pop	12.1
Country	10.5
Rock	24.4
Rap/Hip-Hop	11.4
R&B	10.6

1. Use $>$ or $<$ to compare the percents for pop and rap/hip-hop. Which is greater?

2. Use $>$ or $<$ to compare the percents for country and R&B. Which is greater?

3. If you owned a store that sells CDs, which kind of music would you want to sell, based on the table? Explain.

4. Suppose children's songs have 12.05 percent of the market. Is this greater or less than the percent for pop music? Explain.

5. CONSTRUCTION Alberto is setting out four boards of lumber. The lengths of the boards are 4.5 feet, 4.52 feet, 4 feet, and 4.505 feet. Order the lengths from longest to shortest.

6. CONSTRUCTION Ella set out a board of pine lumber that was 0.8 feet long and a board of cedar lumber that was 0.80 feet long. Alberto said the cedar board was longer. Is he correct? Explain.

NAME _____ DATE _____ PERIOD _____

3-3 Practice: Word Problems

Rounding Decimals

POPULATION For Exercises 1 and 2, use the table.

The table shows the number of people in the United States per square mile.

U.S. Population	
Year	**Number of people per square mile of land area**
1970	57.4
1980	64.0
1990	70.3
2000	79.6

1. Round the decimal for the number of people per square mile in 2000 to the nearest tens. Then round it to the nearest ones.

2. Round the decimal for the number of people per square mile in 1970 to the nearest tens. Then round it to the nearest ones.

EVERGLADES For Exercises 3–7, use the following information.

The Everglades National Park gets an average of 59.10 inches of rainfall a year. It had 1.08025 million visitors in 2001, and its budget for 2003 was $13.958 million.

3. How much rain does the Everglades National Park receive each year rounded to the nearest inch?

4. How many visitors did the park have rounded to the nearest tenth of a million?

5. How many visitors did the park have rounded to the nearest ten-thousandth of a million?

6. What is the budget to the nearest million?

7. What is the budget to the nearest hundredth of a million?

8. SNOWBOARDING Mike, Jake, and Aaron are buying snowboards. Mike is getting his snowboard on sale for $219.49. Jake's costs $279.97. Aaron's costs $234.95. Round each snowboard price to the nearest dollar.

Lesson 3–3

NAME _____ DATE _____ PERIOD _____

3-4 Practice: Word Problems

Estimating Sums and Differences

SPORTS For Exercises 1–3, use the table.

The table shows the percent of annual hospital visits due to sports injuries by males 15 to 19 years of age.

Percent of Male Sports-Related Injuries in the U.S., 2000–2001			
Sport	**Percent**	**Sport**	**Percent**
Basketball	25.9	Boxing, Wrestling	4.4
Football	21.3	Exercise	3.8
Baseball/softball	4.1	Bicycling	8.1
Soccer	4.6	Skateboarding	3.6

1. Use clustering to estimate the total number of hospital visits due to injuries in baseball/softball, exercising, skateboarding, and boxing.

2. Use rounding to estimate how many more visits were due to football injuries than to soccer injuries.

3. Use front-end estimation to estimate the total number of visits caused by injuries in basketball and skateboarding.

4. **BASKETBALL** Len dribbled a basketball for 43 seconds before Greg got the ball away. Then Greg dribbled the ball for 11.525 seconds before Len got the ball. Use front-end estimation to estimate how many more seconds Len dribbled the ball than Greg.

5. **GARDENING** Kevin is going to plant three new types of vegetables in his garden. The garden store sells packages of tomatillo seeds for $1.67, chili pepper seeds for $0.89, and pumpkin seeds for $2.32. Use rounding to estimate how much Kevin will spend on all three packets of seeds.

6. **TRAVEL** Gloria drove 53.2 miles to her grandmother's home. From her grandmother's home she drove 12.67 miles to her aunt's home. Use front-end estimation to estimate how many miles Gloria drove to get to her aunt's home. Then use rounding to estimate the number of miles again.

NAME _____ DATE _____ PERIOD _____

3-5

Practice: Word Problems

Adding and Subtracting Decimals

1. MICE The average length of the head and body of a western harvest mouse is 2.9 inches. The average length of the tail is 2.8 inches. First, estimate the total length of the mouse. Then find the actual total length.	**2. MUSIC** A piano solo on a CD is 5.33 minutes long. A guitar solo is 9.67 minutes long. How much longer is the guitar solo than the piano solo? First estimate the difference. Then find the actual difference.
3. WHALES The average length of a humpback whale is 13.7 meters. The average length of a killer whale is 6.85 meters. How much longer is the humpback whale than the killer whale?	**4. GARDENING** Alan is connecting three garden hoses to make one longer hose. The green hose is 6.25 feet long, the orange hose is 5.755 feet long, and the black hose is 6.5 feet long. First, estimate the total length. Then find the actual total length.
5. ASTRONOMY Distance in space can be measured in astronomical units, or AU. Jupiter is 5.2 AU from the Sun. Pluto is 39.223 AU from the Sun. How much closer to the Sun is Jupiter than Pluto?	**6. ALGEBRA** It is x miles from James City to Huntley and y miles from Huntley to Grover. How many miles is it from James City to Grover? To find out, evaluate $x + y$ if $x = 4.23$ and $y = 16.876$.

NAME _____ DATE _____ PERIOD _____

4-1 Practice: Skills

Multiplying Decimals by Whole Numbers

Multiply.

1. 1.5×3

2. 0.9×6

3. 0.45×5

4. 3.12×8

5. 3.47×5

6. 2.08×6

7. 9.14×2

8. 0.82×9

9. 6.3×9

10. 0.02×3

11. 9.12×4

12. 27.3×8

13. 4.007×4

14. 3.13×3

15. 5.02×8

16. 6.31×6

17. 8.01×5

18. 4.325×7

19. 0.762×2

20. 0.08×8

21. 6×3.04

22. 2.6×9

23. 13×2.5

24. 1.006×4

25. Evaluate $42.3t$ if $t = 110$.

26. Evaluate $231a$ if $a = 3.6$

Write each number in standard form.

27. 3.15×10^4

28. 2.6×10^5

29. 5×10^6

NAME _____ DATE _____ PERIOD _____

4-2 Practice: Skills

Multiplying Decimals

Multiply.

1. 0.3×0.5

2. 1.2×2.1

3. 2.5×6.7

4. 0.4×8.3

5. 2.3×1.21

6. 0.6×0.91

7. 6.5×0.04

8. 8.54×3.27

9. 5.02×1.07

10. 0.003×2.9

11. 0.93×6.8

12. 7.1×0.004

13. 3.007×6.1

14. 2.52×0.15

15. 2.6×5.46

16. 16.25×1.3

17. 3.5×24.09

18. 0.025×17.1

19. 11.04×6.18

20. 14.83×16.7

21. 27.1×10.105

Evaluate each expression if $x = 2.1$, $y = 0.031$, and $z = 3.05$.

22. $xy + z$

23. $y + xz$

24. $x \times 13.55 - y$

Lesson 4–2

NAME _____ DATE _____ PERIOD _____

4-3

Practice: Skills

Dividing Decimals by Whole Numbers

Divide. Round to the nearest tenth if necessary.

1. $3\overline{)9.6}$

2. $5\overline{)5.15}$

3. $2\overline{)16.08}$

4. $7\overline{)24.64}$

5. $11\overline{)132.22}$

6. $16\overline{)142.4}$

7. $79.2 \div 9$

8. $47.4 \div 15$

9. $217.14 \div 21$

10. $5\overline{)34.65}$

11. $8\overline{)20.72}$

12. $10\overline{)72.6}$

13. $15\overline{)57.48}$

14. $25\overline{)264.5}$

15. $34\overline{)317.594}$

16. $122.32 \div 11$

17. $42.48 \div 18$

18. $323.316 \div 24$

NAME _____ DATE _____ PERIOD _____

4-4 Practice: Skills

Dividing by Decimals

Divide. Round to the nearest hundredth if necessary.

1. $0.2\overline{)4.86}$

2. $0.7\overline{)2.52}$

3. $1.2\overline{)14.4}$

4. $3.8\overline{)17.1}$

5. $1.32\overline{)3.96}$

6. $34.9\overline{)628.2}$

7. $0.105 \div 0.5$

8. $1.296 \div 0.16$

9. $3.825 \div 2.5$

10. $0.5\overline{)8.253}$

11. $0.8\overline{)0.9944}$

12. $0.32\overline{)1.50048}$

13. $0.75\overline{)13.59}$

14. $1.8\overline{)4.4208}$

15. $4.02\overline{)16.1604}$

16. $160.3639 \div 25.1$

17. $246.3293 \div 13.3$

18. $106.288 \div 6.5$

Lesson 4–4

NAME _____ DATE _____ PERIOD _____

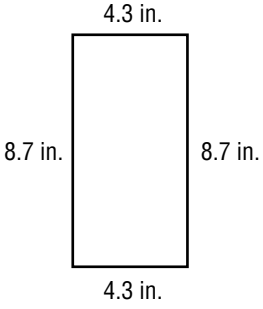
4-5 Practice: Skills

Perimeter

Find the perimeter of each figure.

1.

2.



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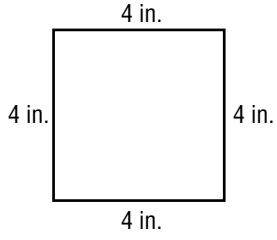

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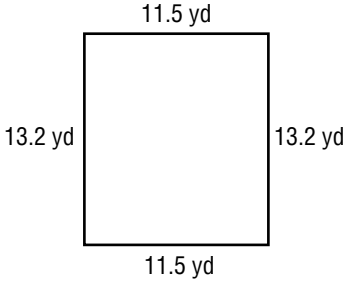

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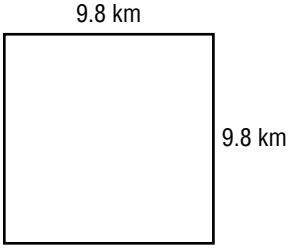

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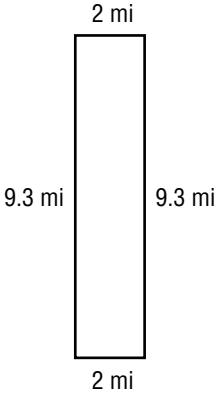

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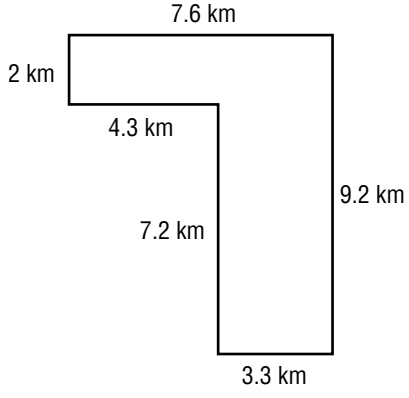

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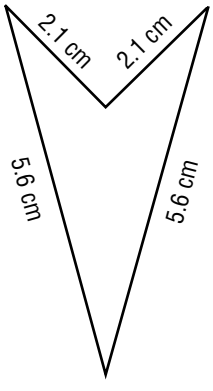


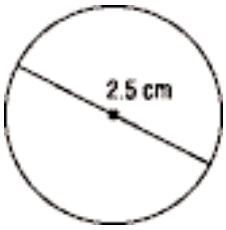
NAME _____ DATE _____ PERIOD _____

4-6 Practice: Skills

Circumference

Find the circumference of each circle shown or described. Use 3.14 for π. Round to the nearest tenth.

1.



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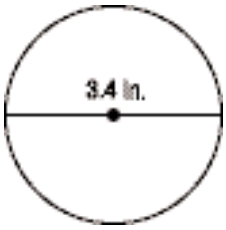

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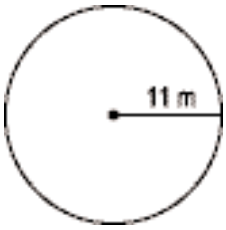

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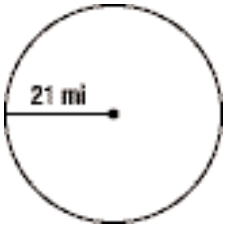

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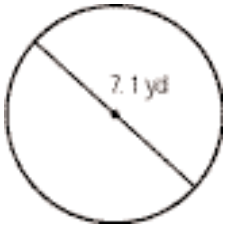
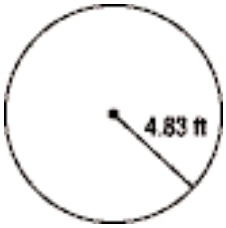


6.

7.



8.

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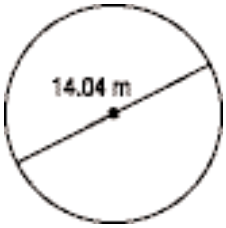

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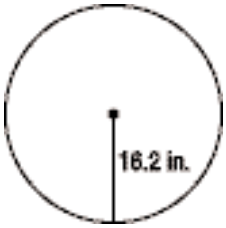
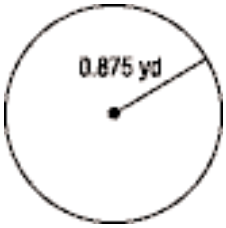
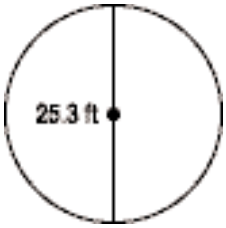


11.



12.



13. $r = 13$ cm

14. $d = 4.1$ ft

15. $r = 22$ mm

16. $d = 1.25$ in.

17. $r = 10.6$ mi

18. $d = 14.23$ yd

Lesson 4–6

NAME _____ DATE _____ PERIOD _____

5-1 Practice: Skills

Greatest Common Factor

Find the GCF of each set of numbers by making a list.

1. 12 and 20 **2.** 24 and 30 **3.** 18 and 27

Find the GCF of each set of numbers by using prime factors.

4. 10 and 25 **5.** 6 and 21 **6.** 14 and 42

Find the GCF of each set of numbers.

7. 15 and 40 **8.** 16 and 36 **9.** 12 and 54

10. 24 and 64 **11.** 39 and 26 **12.** 35 and 63

13. 36 and 48 **14.** 35 and 28 **15.** 40 and 56

16. 56 and 14 **17.** 27 and 63 **18.** 88 and 66

19. 60 and 84 **20.** 45 and 90 **21.** 85 and 51

22. 54 and 72 **23.** 48 and 80 **24.** 63 and 108

25. 21, 30, 44 **26.** 16, 24, 56 **27.** 27, 54, 81

NAME _____ DATE _____ PERIOD _____

5-2 Practice: Skills

Simplifying Fractions

Replace each ● with a number so that the fractions are equivalent.

1. $\frac{1}{5} = \frac{●}{35}$

2. $\frac{●}{15} = \frac{2}{5}$

3. $\frac{1}{6} = \frac{●}{24}$

4. $\frac{10}{15} = \frac{2}{●}$

5. $\frac{4}{●} = \frac{20}{45}$

6. $\frac{1}{●} = \frac{4}{16}$

7. $\frac{1}{3} = \frac{27}{●}$

8. $\frac{●}{7} = \frac{8}{28}$

9. $\frac{18}{24} = \frac{●}{4}$

Write each fraction in simplest form. If the fraction is already in simplest form, write *simplest form*.

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

11. $\frac{8}{10}$

12. $\frac{20}{60}$

13. $\frac{6}{15}$

14. $\frac{15}{60}$

15. $\frac{7}{8}$

16. $\frac{27}{81}$

17. $\frac{7}{12}$

18. $\frac{28}{36}$

19. $\frac{90}{100}$

20. $\frac{8}{21}$

21. $\frac{14}{35}$

22. $\frac{23}{46}$

23. $\frac{9}{13}$

24. $\frac{12}{27}$

25. $\frac{4}{12}$

26. $\frac{75}{100}$

27. $\frac{60}{110}$

28. $\frac{10}{25}$

29. $\frac{15}{19}$

30. $\frac{20}{28}$

31. $\frac{49}{56}$

32. $\frac{49}{70}$

33. $\frac{24}{64}$

Lesson 5–2

NAME _____ DATE _____ PERIOD _____

5-3 Practice: Skills

Mixed Numbers and Improper Fractions

Draw a model for each mixed number. Then write the mixed number as an improper fraction.

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

2. $3\frac{3}{8}$

3. $2\frac{2}{5}$

Write each mixed number as an improper fraction.

4. $6\frac{1}{2}$ **5.** $1\frac{5}{6}$ **6.** $1\frac{3}{8}$ **7.** $3\frac{1}{3}$

8. $3\frac{7}{8}$ **9.** $2\frac{1}{4}$ **10.** $2\frac{8}{9}$ **11.** $4\frac{5}{6}$

12. $8\frac{3}{5}$ **13.** $5\frac{4}{7}$ **14.** $10\frac{2}{3}$ **15.** $9\frac{1}{4}$

Write each improper fraction as a mixed number.

16. $\frac{9}{5}$ **17.** $\frac{5}{2}$ **18.** $\frac{15}{4}$ **19.** $\frac{17}{8}$

20. $\frac{19}{6}$ **21.** $\frac{27}{4}$ **22.** $\frac{25}{2}$ **23.** $\frac{31}{7}$

24. $\frac{52}{9}$ **25.** $\frac{41}{3}$ **26.** $\frac{37}{5}$ **27.** $\frac{77}{8}$

NAME _____ DATE _____ PERIOD _____

5-4 Practice: Skills

Least Common Multiple

Find the LCM of each set of numbers.

1. 4 and 36

2. 5 and 25

3. 3 and 42

4. 4 and 5

5. 3 and 8

6. 5 and 13

7. 7 and 10

8. 7 and 49

9. 6 and 9

10. 6 and 30

11. 5 and 6

12. 12 and 18

13. 8 and 28

14. 6 and 14

15. 5 and 14

16. 12 and 15

17. 9 and 24

18. 15 and 18

19. 12 and 14

20. 3, 5, and 12

21. 6, 16, and 24

22. 12, 18, and 24

23. 7, 10, and 14

24. 2, 5, and 12

Lesson 5–4

NAME _____ DATE _____ PERIOD _____

5-5 Practice: Skills

Comparing and Ordering Fractions

Replace each ● with <, >, or = to make a true sentence.

1. $\frac{2}{3}$ ● $\frac{3}{4}$

2. $\frac{3}{8}$ ● $\frac{6}{16}$

3. $\frac{5}{8}$ ● $\frac{7}{12}$

4. $\frac{1}{2}$ ● $\frac{6}{7}$

5. $\frac{3}{9}$ ● $\frac{1}{3}$

6. $\frac{1}{6}$ ● $\frac{9}{10}$

7. $\frac{5}{6}$ ● $\frac{7}{8}$

8. $\frac{5}{8}$ ● $\frac{5}{12}$

9. $\frac{4}{5}$ ● $\frac{2}{3}$

10. $\frac{6}{7}$ ● $\frac{4}{5}$

11. $\frac{5}{12}$ ● $\frac{3}{16}$

12. $\frac{3}{4}$ ● $\frac{2}{9}$

13. $\frac{5}{7}$ ● $\frac{7}{10}$

14. $\frac{2}{15}$ ● $\frac{1}{6}$

15. $\frac{5}{12}$ ● $\frac{2}{5}$

16. $\frac{3}{10}$ ● $\frac{5}{14}$

17. $\frac{4}{9}$ ● $\frac{3}{7}$

18. $\frac{3}{5}$ ● $\frac{5}{9}$

19. $\frac{1}{6}$ ● $\frac{2}{12}$

20. $\frac{7}{9}$ ● $\frac{4}{7}$

21. $\frac{9}{10}$ ● $\frac{11}{12}$

22. $\frac{1}{4}$ ● $\frac{2}{8}$

23. $\frac{8}{9}$ ● $\frac{7}{8}$

24. $\frac{2}{9}$ ● $\frac{4}{15}$

Order the fractions from least to greatest.

25. $\frac{3}{4}, \frac{2}{5}, \frac{5}{8}, \frac{1}{2}$

26. $\frac{1}{3}, \frac{2}{7}, \frac{3}{14}, \frac{1}{6}$

27. $\frac{2}{3}, \frac{4}{9}, \frac{5}{6}, \frac{7}{12}$

28. $\frac{4}{5}, \frac{2}{3}, \frac{13}{15}, \frac{7}{9}$

29. $\frac{11}{12}, \frac{5}{6}, \frac{3}{4}, \frac{9}{16}$

30. $\frac{7}{15}, \frac{3}{5}, \frac{5}{12}, \frac{1}{2}$

NAME _____ DATE _____ PERIOD _____

5-6

Practice: Skills

Writing Decimals as Fractions

Write each decimal as a fraction or mixed number in simplest form.

1. 0.6

2. 10.9

3. 0.08

4. 6.25

5. 4.125

6. 0.075

7. 9.35

8. 3.56

9. 8.016

10. 21.5

11. 0.055

12. 7.42

13. 5.006

14. 3.875

15. 1.29

16. 2.015

17. 6.48

18. 0.004

19. 4.95

20. 8.425

21. 9.74

22. 0.47

23. 5.019

24. 1.062

25. 3.96

26. 0.824

27. 20.8

28. 6.45

29. 4.672

30. 0.375

Lesson 5–6

NAME _____ DATE _____ PERIOD _____

5-7 Practice: Skills

Writing Fractions as Decimals

Write each fraction or mixed number as a decimal.

1. $\frac{9}{10}$

2. $\frac{21}{100}$

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

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

5. $\frac{1}{6}$

6. $\frac{5}{6}$

7. $\frac{4}{9}$

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

9. $9\frac{2}{5}$

10. $\frac{8}{11}$

11. $4\frac{2}{3}$

12. $6\frac{5}{8}$

13. $5\frac{1}{3}$

14. $12\frac{3}{8}$

15. $10\frac{17}{20}$

16. $2\frac{11}{18}$

17. $3\frac{11}{16}$

18. $6\frac{4}{5}$

19. $1\frac{5}{9}$

20. $10\frac{1}{8}$

21. $2\frac{13}{18}$

22. $3\frac{7}{12}$

23. $5\frac{8}{9}$

24. $3\frac{24}{25}$

NAME _____ DATE _____ PERIOD _____

6-1

Practice: Skills

Rounding Fractions and Mixed Numbers

Round each number to the nearest half.

1. $\frac{2}{3}$ **2.** $2\frac{1}{9}$ **3.** $1\frac{4}{7}$ **4.** $\frac{11}{12}$

5. $2\frac{1}{5}$ **6.** $1\frac{1}{3}$ **7.** $7\frac{3}{4}$ **8.** $3\frac{2}{5}$

9. $\frac{5}{12}$ **10.** $\frac{1}{10}$ **11.** $9\frac{7}{8}$ **12.** $4\frac{3}{8}$

13. $8\frac{6}{7}$ **14.** $1\frac{5}{12}$ **15.** $\frac{1}{18}$ **16.** $3\frac{8}{9}$

17. $\frac{9}{16}$ **18.** $2\frac{11}{13}$ **19.** $5\frac{3}{20}$ **20.** $7\frac{9}{11}$

21. $10\frac{1}{7}$ **22.** $\frac{13}{15}$ **23.** $6\frac{4}{25}$ **24.** $8\frac{9}{19}$

Tell whether each number should be rounded up or down.

25. the amount of wrapping paper for a gift that is $2\frac{4}{7}$ feet wide

26. the length of a strip of wallpaper to hang on a wall $7\frac{5}{6}$ feet high

27. the width of a CD player to fit into a width of $18\frac{2}{5}$ inches

28. the height of a notebook that must fit inside a backpack $1\frac{3}{4}$ feet tall

Find the length of each line segment to the nearest half inch.

29. _____

30. _____

31. _____

32. _____

NAME _____ DATE _____ PERIOD _____

6-2 Practice: Skills

Estimating Sums and Differences

Estimate.

1. $\frac{2}{3} + \frac{7}{8}$

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

3. $\frac{9}{10} + \frac{7}{8}$

4. $\frac{11}{12} - \frac{7}{16}$

5. $\frac{5}{8} + \frac{4}{5}$

6. $1\frac{1}{3} - \frac{3}{8}$

7. $2\frac{6}{7} + 1\frac{1}{8}$

8. $\frac{9}{10} - \frac{3}{5}$

9. $\frac{7}{15} + 2\frac{2}{9}$

10. $3\frac{15}{16} - \frac{7}{16}$

11. $8\frac{3}{10} + 5\frac{13}{15}$

12. $4\frac{13}{16} - \frac{4}{9}$

13. $\frac{1}{10} + 7\frac{1}{3}$

14. $12\frac{11}{14} - 7\frac{5}{7}$

15. $\frac{4}{7} + 3\frac{5}{8}$

16. $4\frac{1}{3} - \frac{1}{10}$

17. $8\frac{3}{10} + 8\frac{7}{8}$

18. $10\frac{2}{7} - 9\frac{5}{9}$

19. $3\frac{1}{8} + 3\frac{5}{8}$

20. $6\frac{7}{13} - \frac{1}{15}$

21. $8\frac{1}{6} + \frac{14}{15}$

Lesson 6–2

NAME _____ DATE _____ PERIOD _____

6-3

Practice: Skills

Adding and Subtracting Fractions with Like Denominators

Add or subtract. Write in simplest form.

1. $\frac{2}{9} + \frac{4}{9}$

2. $\frac{2}{5} + \frac{4}{5}$

3. $\frac{2}{3} - \frac{1}{3}$

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

5. $\frac{7}{8} - \frac{3}{8}$

6. $\frac{9}{12} + \frac{3}{12}$

7. $\frac{5}{6} - \frac{1}{6}$

8. $\frac{1}{6} + \frac{5}{6}$

9. $\frac{11}{12} - \frac{7}{12}$

10. $\frac{7}{8} + \frac{3}{8}$

11. $\frac{9}{10} - \frac{4}{10}$

12. $\frac{3}{8} + \frac{1}{8}$

13. $\frac{10}{11} - \frac{2}{11}$

14. $\frac{7}{9} + \frac{2}{9}$

15. $\frac{5}{6} + \frac{4}{6}$

16. $\frac{3}{10} - \frac{1}{10}$

17. $\frac{3}{10} + \frac{3}{10}$

18. $\frac{5}{6} + \frac{3}{6}$

19. $\frac{5}{8} - \frac{3}{8}$

20. $\frac{5}{7} - \frac{2}{7}$

21. $\frac{6}{7} + \frac{5}{7}$

22. How much is $\frac{2}{9}$ pound plus $\frac{1}{9}$ pound?

23. How much longer is $\frac{3}{8}$ foot than $\frac{1}{8}$ foot?

24. How much more than $\frac{1}{4}$ cup is $\frac{3}{4}$ cup?

25. What is the sum of $\frac{2}{11}$, $\frac{7}{11}$, and $\frac{1}{11}$?

NAME _____ DATE _____ PERIOD _____

6-4

Practice: Skills

Adding and Subtracting Fractions with Unlike Denominators

Add or subtract. Write in simplest form.

1. $\begin{array}{r} \frac{2}{3} \\ +\frac{5}{6} \\ \hline \end{array}$

2. $\begin{array}{r} \frac{5}{6} \\ +\frac{3}{4} \\ \hline \end{array}$

3. $\begin{array}{r} \frac{2}{3} \\ -\frac{1}{6} \\ \hline \end{array}$

4. $\begin{array}{r} \frac{1}{2} \\ +\frac{7}{8} \\ \hline \end{array}$

5. $\begin{array}{r} \frac{4}{7} \\ -\frac{1}{2} \\ \hline \end{array}$

6. $\begin{array}{r} \frac{1}{6} \\ -\frac{1}{12} \\ \hline \end{array}$

7. $\frac{5}{8} - \frac{1}{4}$

8. $\frac{1}{3} + \frac{5}{7}$

9. $\frac{1}{5} + \frac{5}{6}$

10. $\frac{3}{4} + \frac{11}{12}$

11. $\frac{1}{2} - \frac{2}{5}$

12. $\frac{11}{12} - \frac{3}{4}$

13. $\frac{3}{4} - \frac{1}{12}$

14. $\frac{4}{5} + \frac{1}{2}$

15. $\frac{3}{5} + \frac{2}{3}$

16. $\frac{2}{3} - \frac{1}{4}$

17. $\frac{11}{12} - \frac{1}{6}$

18. $\frac{3}{5} + \frac{9}{10}$

19. How much more is $\frac{3}{8}$ gallon than $\frac{1}{4}$ gallon?

20. How much more is $\frac{3}{4}$ ounce than $\frac{1}{3}$ ounce?

21. Evaluate $x - y$ if $x = \frac{7}{10}$ and $y = \frac{3}{5}$.

22. Evaluate $s + t$ if $s = \frac{2}{3}$ and $t = \frac{5}{6}$.

Lesson 6–4

NAME _____ DATE _____ PERIOD _____

6-5

Practice: Skills

Adding and Subtracting Mixed Numbers

Add or subtract. Write in simplest form.

1. $2\frac{1}{4} + 3\frac{3}{4}$

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

3. $8\frac{5}{12} - 1\frac{1}{12}$

4. $2\frac{3}{7} + 4\frac{2}{7}$

5. $6\frac{2}{3} + 3\frac{4}{9}$

6. $8\frac{7}{12} - 5\frac{5}{12}$

7. $9\frac{3}{4} - 7\frac{1}{2}$

8. $2\frac{1}{8} + 5\frac{7}{8}$

9. $1\frac{2}{3} + 4\frac{8}{9}$

10. $10\frac{3}{5} - 2\frac{1}{2}$

11. $6\frac{5}{6} + \frac{3}{8}$

12. $9\frac{4}{5} + 2\frac{2}{3}$

13. $5\frac{2}{3} - \frac{1}{6}$

14. $8\frac{1}{2} - 5\frac{3}{10}$

15. $4\frac{3}{5} + 9\frac{1}{3}$

16. $7\frac{11}{12} - 3\frac{7}{12}$

17. $5\frac{8}{9} - 3\frac{1}{6}$

18. $8\frac{3}{4} + 6\frac{2}{5}$

Evaluate each expression if $a = 1\frac{2}{3}$, $b = \frac{1}{4}$, and $c = 3\frac{5}{6}$.

19. $a + b$

20. $c + a$

21. $c - b$

22. $c - a$

NAME _____ DATE _____ PERIOD _____

6-6

Practice: Skills

Subtracting Mixed Numbers with Renaming

Subtract. Write in simplest form.

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

2. $4 - 3\frac{1}{3}$

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

4. $6\frac{1}{5} - 2\frac{7}{10}$

5. $10\frac{5}{9} - 2\frac{2}{3}$

6. $11\frac{1}{4} - 5\frac{3}{8}$

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

8. $15\frac{1}{3} - 6\frac{1}{2}$

9. $12\frac{2}{5} - 4\frac{3}{4}$

10. $10 - 5\frac{1}{4}$

11. $12\frac{5}{8} - 3\frac{3}{4}$

12. $9\frac{2}{5} - 7\frac{9}{10}$

13. $13\frac{1}{2} - 7\frac{4}{5}$

14. $8\frac{1}{3} - 2\frac{5}{9}$

15. $9\frac{7}{10} - 6\frac{4}{5}$

16. $12 - 5\frac{7}{11}$

17. $5\frac{1}{2} - \frac{5}{8}$

18. $4\frac{1}{5} - 1\frac{1}{2}$

19. $7 - 2\frac{3}{8}$

20. $7\frac{1}{4} - 6\frac{5}{6}$

21. $6 - 5\frac{5}{6}$

22. $8\frac{3}{10} - 2\frac{1}{2}$

Lesson 6–6

NAME _____ DATE _____ PERIOD _____

7-1 Practice: Skills

Estimating Products

Estimate each product.

1. $\frac{1}{5} \times 26$

2. $\frac{10}{11} \times \frac{1}{9}$

3. $\frac{1}{2} \times 17$

4. $\frac{6}{7} \times \frac{1}{8}$

5. $\frac{1}{3} \times \frac{4}{11}$

6. $2\frac{4}{5} \times 5\frac{1}{4}$

7. $\frac{3}{7} \times 29$

8. $\frac{5}{6} \times \frac{2}{7}$

9. $6\frac{3}{10} \times 4\frac{7}{9}$

10. $\frac{3}{5} \times \frac{6}{7}$

11. $\frac{7}{8} \times \frac{8}{9}$

12. $4\frac{1}{3} \times 3\frac{7}{8}$

13. $9\frac{1}{8} \times \frac{1}{3}$

14. $\frac{2}{9} \times 26$

15. $\frac{5}{8} \times 41$

16. $\frac{7}{8} \times 30$

17. $7\frac{2}{3} \times 9\frac{3}{8}$

18. $\frac{3}{4} \times 35$

19. $\frac{5}{9} \times \frac{1}{7}$

20. $\frac{1}{12} \times \frac{5}{9}$

21. $3\frac{1}{4} \times 7\frac{7}{8}$

22. $\frac{2}{3} \times 35$

23. $6\frac{7}{12} \times 8\frac{5}{12}$

24. $\frac{6}{11} \times 32$

25. Estimate $\frac{4}{5}$ of 49.

26. Estimate the product of $2\frac{4}{11}$ and $16\frac{1}{5}$.

NAME _____ DATE _____ PERIOD _____

7-2 Practice: Skills

Multiplying Fractions

Multiply. Write in simplest form.

1. $\frac{3}{4} \times \frac{1}{2}$

2. $\frac{1}{3} \times \frac{2}{5}$

3. $\frac{1}{3} \times 6$

4. $\frac{2}{5} \times \frac{3}{7}$

5. $\frac{3}{8} \times 10$

6. $\frac{1}{6} \times \frac{3}{5}$

7. $\frac{2}{9} \times 3$

8. $\frac{9}{10} \times \frac{4}{5}$

9. $\frac{7}{8} \times \frac{2}{9}$

10. $11 \times \frac{3}{4}$

11. $\frac{5}{6} \times \frac{1}{4}$

12. $\frac{4}{9} \times \frac{2}{3}$

13. $\frac{7}{12} \times \frac{6}{11}$

14. $16 \times \frac{5}{12}$

15. $\frac{4}{9} \times \frac{1}{8}$

16. $\frac{1}{5} \times \frac{10}{11}$

17. $\frac{5}{12} \times \frac{3}{8}$

18. $\frac{1}{10} \times \frac{4}{7}$

19. $21 \times \frac{4}{7}$

20. $\frac{5}{9} \times 18$

21. $\frac{5}{6} \times \frac{8}{9}$

For Exercises 22–24, evaluate each expression if $x = 4$, $y = \frac{2}{3}$, and $z = \frac{1}{4}$.

22. $\frac{3}{8}x$

23. xz

24. $3x$

25. xy

26. $9y$

27. $\frac{1}{3}x$

28. yz

29. $8z$

30. xyz

31. If $a = \frac{6}{7}$, what is $\frac{2}{3}a$?

32. Evaluate st if $s = \frac{3}{8}$ and $t = 24$.

Lesson 7–2

NAME _____ DATE _____ PERIOD _____

7-3 Practice: Skills

Multiplying Mixed Numbers

Multiply. Write in simplest form.

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

2. $2\frac{1}{2} \times \frac{3}{5}$

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

4. $6\frac{1}{5} \times \frac{1}{2}$

5. $1\frac{3}{5} \times 3\frac{2}{3}$

6. $\frac{5}{7} \times 4\frac{1}{5}$

7. $\frac{4}{7} \times 3\frac{1}{9}$

8. $1\frac{3}{8} \times 2\frac{2}{7}$

9. $4\frac{1}{6} \times \frac{9}{10}$

10. $3\frac{1}{3} \times 2\frac{1}{4}$

11. $\frac{8}{9} \times 5\frac{1}{7}$

12. $2\frac{5}{8} \times 6$

13. $3\frac{3}{4} \times 2\frac{4}{5}$

14. $\frac{5}{7} \times 4\frac{3}{8}$

15. $20 \times 1\frac{2}{5}$

16. $2\frac{4}{9} \times \frac{6}{11}$

17. $5\frac{3}{4} \times 1\frac{1}{11}$

18. $14 \times 2\frac{5}{7}$

For Exercises 19–24, evaluate each expression if $r = 1\frac{2}{3}$, $s = 2\frac{1}{5}$, and $t = \frac{3}{4}$.

19. $4t$

20. st

21. $\frac{1}{2}r$

22. rs

23. $\frac{1}{11}s$

24. rt

25. Evaluate $\frac{2}{3}m$ if $m = 5\frac{1}{6}$.

26. What is ab if $a = 1\frac{5}{11}$ and $b = \frac{7}{8}$?

NAME _____ DATE _____ PERIOD _____

7-4 Practice: Skills

Dividing Fractions

Find the reciprocal of each number.

1. $\frac{1}{2}$ **2.** $\frac{3}{5}$ **3.** 7 **4.** $\frac{8}{11}$

5. 12 **6.** $\frac{9}{10}$ **7.** $\frac{5}{8}$ **8.** $\frac{3}{10}$

Divide. Write in simplest form.

9. $\frac{5}{6} \div \frac{1}{3}$ **10.** $\frac{9}{10} \div \frac{1}{2}$ **11.** $\frac{1}{2} \div \frac{3}{5}$

12. $8 \div \frac{4}{5}$ **13.** $\frac{7}{12} \div \frac{5}{6}$ **14.** $\frac{9}{10} \div \frac{1}{4}$

15. $\frac{3}{8} \div 9$ **16.** $\frac{9}{10} \div \frac{3}{4}$ **17.** $\frac{2}{5} \div \frac{4}{7}$

18. $15 \div \frac{5}{9}$ **19.** $\frac{6}{7} \div \frac{3}{11}$ **20.** $\frac{1}{9} \div \frac{5}{12}$

21. $\frac{5}{6} \div \frac{5}{12}$ **22.** $\frac{10}{11} \div 5$ **23.** $\frac{7}{9} \div \frac{1}{7}$

24. $\frac{6}{7} \div \frac{8}{9}$ **25.** $\frac{3}{5} \div \frac{9}{11}$ **26.** $5 \div \frac{4}{9}$

Find the value of each expression if $x = \frac{1}{4}$, $y = \frac{3}{5}$, and $z = \frac{2}{3}$.

27. $x \div y$ **28.** $z \div 2$ **29.** $y \div z$

30. $z \div x$ **31.** $\frac{1}{3} \div x$ **32.** $5 \div y$

Lesson 7–4

NAME _____ DATE _____ PERIOD _____

7-5 Practice: Skills

Dividing Mixed Numbers

Divide. Write in simplest form.

1. $2\frac{5}{6} \div 6\frac{4}{5}$

2. $4\frac{6}{7} \div 3\frac{2}{5}$

3. $31\frac{2}{3} \div 7\frac{3}{5}$

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

5. $6 \div 2\frac{2}{5}$

6. $1\frac{3}{4} \div \frac{3}{4}$

7. $2\frac{1}{2} \div 4\frac{2}{7}$

8. $3\frac{1}{9} \div 7$

9. $6\frac{2}{3} \div \frac{4}{5}$

10. $1\frac{2}{9} \div 1\frac{5}{6}$

11. $6\frac{3}{4} \div 1\frac{7}{20}$

12. $\frac{7}{10} \div 2\frac{5}{8}$

13. $3\frac{5}{6} \div 1\frac{1}{3}$

14. $1\frac{7}{9} \div \frac{4}{9}$

15. $5 \div 8\frac{3}{4}$

16. $2\frac{2}{9} \div 1\frac{1}{3}$

17. $3\frac{1}{5} \div 1\frac{7}{9}$

18. $6\frac{1}{6} \div 3\frac{1}{3}$

Evaluate each expression if $a = 1\frac{3}{8}$, $b = 4\frac{5}{7}$, and $c = 3\frac{3}{10}$.

19. $b \div a$

20. $a \div c$

21. $c \div b$

For Exercises 22–24, evaluate each expression if $a = 3\frac{3}{4}$, $b = 1\frac{1}{2}$, and $c = 4\frac{1}{8}$.

22. $a \div b$

23. $c \div a$

24. $b \div c$

25. What is the value of $r \div t$ if $r = 4\frac{1}{3}$ and $t = 2\frac{3}{5}$?

26. If $x = 4\frac{2}{3}$ what is $1\frac{1}{6} \div x$?

NAME _____ DATE _____ PERIOD _____

7-6 Practice: Skills

Sequences

Describe each pattern. Then find the next two numbers in the sequence.

1. 6, 10, 14, 18, …

2. 31, 26, 21, 16, …

3. 12, 24, 48, 96, …

4. 16, 8, 4, 2, …

5. 108, 36, 12, 4, …

6. 1, $1\frac{1}{5}$, $1\frac{2}{5}$, $1\frac{3}{5}$, …

7. $\frac{1}{64}$, $\frac{1}{32}$, $\frac{1}{16}$, $\frac{1}{8}$, …

8. 43, 38, 33, 28, …

9. 63, 56, 49, 42, …

10. 2, 15, 28, 41, …

11. 5, 20, 35, 50, …

12. 1, $1\frac{2}{3}$, $2\frac{1}{3}$, 3, …

13. 4, 12, 36, 108, …

14. 1, 5, 25, 125, …

Find the missing number in each sequence.

15. 54, ___?___, 42, 36, …

16. $\frac{1}{6}$, $\frac{1}{3}$, ___?___, $\frac{2}{3}$, …

17. ___?___, 12, 48, 192, …

18. $\frac{1}{81}$, $\frac{1}{27}$, ___?___, $\frac{1}{3}$, …

19. 16, 4, ___?___, $\frac{1}{4}$, …

20. ___?___, 1, 5, 25, …

Lesson 7–6

NAME _____ DATE _____ PERIOD _____

8-1 Practice: Skills

Integers

Write an integer to describe each situation.

1. a loss of 8 yards

2. an increase of 2 inches

3. 5 feet above sea level

4. a decrease of 6 members

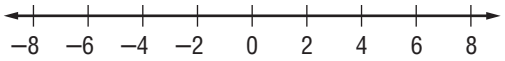
5. scored 10 fewer points

6. earned 7 dollars interest

7. a gain of 5 pounds

8. 4 degrees below normal

Graph each integer on the number line.



9. 0

10. −3

11. 4

12. +6

13. −5

14. 1

15. −8

16. 7

Replace each ● with <, >, or = to make a true sentence.

17. −9 ● 8

18. 0 ● −1

19. +6 ● 6

20. −3 ● 3

21. 12 ● −21

22. −12 ● −10

23. 5 ● −5

24. −83 ● −80

25. −9 ● −9

26. −57 ● −75

27. −56 ● 56

28. 0 ● 0

Write the opposite of each integer.

29. −2

30. +6

31. −9

32. +8

33. −7

34. +10

35. +14

36. +12

Order each set of integers from least to greatest.

37. 2, −6, −2, 0

38. 9, −8, 4, −9

39. 5, −3, −11, 9

40. −3, 2, −4, −17

NAME _____ DATE _____ PERIOD _____

8-2 Practice: Skills

Adding Integers

Add. Use counters or a number line if necessary.

1. $6 + (-8)$

2. $9 + (-3)$

3. $-5 + (-4)$

4. $-13 + 7$

5. $-2 + 11$

6. $10 + (-6)$

7. $4 + (-4)$

8. $-7 + (-4)$

9. $-12 + 3$

10. $-5 + 14$

11. $-10 + (-2)$

12. $6 + (-1)$

13. $-3 + 4$

14. $+4 + (+4)$

15. $-2 + (-1)$

16. $6 + (-3)$

17. $8 + 7$

18. $-5 + (-6)$

19. $-11 + 4$

20. $-6 + 13$

21. $-12 + 6$

22. $-7 + 12$

23. $9 + (-9)$

24. $-5 + (-5)$

25. $3 + (-11)$

26. $-14 + 9$

27. $15 + (-7)$

28. $-15 + 15$

29. What is the sum of positive six and negative four?

30. What is the sum of negative five and positive five?

31. Find the result when negative eight is added to positive 4.

32. Find the sum of negative 1 and positive 7.

33. **ALGEBRA** Find the value of $c + d$ if $c = -4$ and $d = 6$.

Lesson 8–2

NAME _____ DATE _____ PERIOD _____

8-3 Practice: Skills

Subtracting Integers

Subtract. Use counters if necessary.

1. $9 - 4$

2. $10 - 7$

3. $+8 - 5$

4. $+12 - 6$

5. $-3 - (-7)$

6. $5 - (-9)$

7. $-8 - 7$

8. $2 - 6$

9. $-16 - (-9)$

10. $4 - (-15)$

11. $-18 - 5$

12. $-6 - 6$

13. $7 - 4$

14. $-4 - (-2)$

15. $-8 - 10$

16. $9 - (-7)$

17. $3 - 12$

18. $-3 - (-10)$

19. $-13 - 7$

20. $-5 - (-2)$

21. $6 - 6$

22. $3 - 5$

23. $-8 - 6$

24. $-2 - (-2)$

25. $7 - (-4)$

26. $-16 - (-8)$

27. $12 - (-12)$

28. $-3 - 10$

29. $-1 - (-4)$

30. $9 - (-6)$

31. ALGEBRA Find the value of $a - b$ if $a = 5$ and $b = 8$.

32. ALGEBRA Find the value of $c - d$ if $c = -7$ and $d = -2$.

NAME _____ DATE _____ PERIOD _____

8-4

Practice: Skills

Multiplying Integers

Multiply.

1. $6 \times (-4)$

2. -8×7

3. $-2 \times (-9)$

4. $5(-5)$

5. $-5(-3)$

6. $-4(8)$

7. $9(-2)$

8. $-5(-6)$

9. $3(-10)$

10. $-4(2)$

11. $-4(-4)$

12. $-9(6)$

13. $7(-3)$

14. $-2(-8)$

15. $-5(-10)$

16. $2(-1)$

17. $-3(6)$

18. $4(-5)$

19. $-7(7)$

20. $-2(-7)$

21. $-6(-1)$

22. $4(-3)$

23. $-6(-5)$

24. $-9(10)$

25. $-3(-8)$

26. $7(-5)$

27. $-2(2)$

28. $8(-8)$

29. $-9(1)$

30. $-7(-4)$

31. $-7(6)$

32. $-5(12)$

33. $-4(-8)$

Lesson 8–4

NAME _____ DATE _____ PERIOD _____

8-5 Practice: Skills

Dividing Integers

Divide.

1. $-4 \div 2$

2. $6 \div (-2)$

3. $-8 \div (-2)$

4. $3 \div (-3)$

5. $9 \div (+3)$

6. $-10 \div 5$

7. $56 \div (-7)$

8. $-45 \div 9$

9. $-12 \div (-6)$

10. $15 \div (-3)$

11. $-24 \div 6$

12. $-18 \div (-3)$

13. $48 \div (-8)$

14. $-40 \div 8$

15. $-20 \div (-5)$

16. $36 \div (-9)$

17. $-42 \div 7$

18. $-54 \div (-6)$

19. $20 \div (-10)$

20. $-12 \div 4$

21. $-35 \div (-5)$

22. $-27 \div 9$

23. $10 \div (-2)$

24. $-32 \div (-8)$

25. $-68 \div 4$

26. $30 \div (-3)$

27. $-36 \div (-4)$

28. $-16 \div (-8)$

29. $49 \div (-7)$

30. $-18 \div 2$

31. ALGEBRA For what value of v is $42 \div v = 6$ true?

32. ALGEBRA Find the value of $m \div n$ if $m = -24$ and $n = -4$.

33. ALGEBRA For what value of b is $b \div 4 = -9$ true?

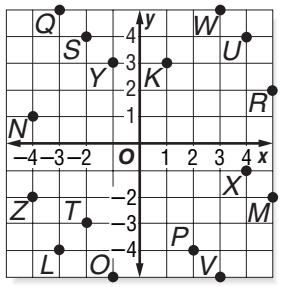
34. ALGEBRA Find the value of $x \div y$ if $x = -50$ and $y = 10$.

NAME _____ DATE _____ PERIOD _____

8-6 Practice: Skills

The Coordinate Plane

For Exercises 1–8, use the coordinate plane at the right. Identify the point for each ordered pair.



1. $(-2, 4)$

2. $(-2, -3)$

3. $(4, 4)$

4. $(3, -5)$

5. $(3, 5)$

6. $(4, -1)$

7. $(-1, 3)$

8. $(-4, -2)$

For Exercises 9–16, use the coordinate plane above. Write the ordered pair that names each point. Then identify the quadrant where each point is located.

9. K

10. L

11. M

12. N

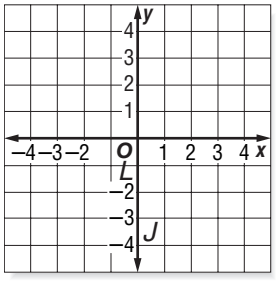
13. O

14. P

15. Q

16. R

Graph and label each point on the coordinate plane at the right.



17. $A(-5, 2)$

18. $I(2, 1)$

19. $J(1, -3)$

20. $B(-5, -1)$

21. $C(3, 3)$

22. $K(-1, 2)$

23. $L(0, -1)$

24. $D(2, -5)$

25. $E(3, -2)$

26. $M(-4, -5)$

27. $N(1, 5)$

28. $F(-2, 5)$

29. $G(-1, -4)$

30. $O(5, -5)$

Lesson 8–6

NAME _____ DATE _____ PERIOD _____

9-1 Practice: Skills

Properties

Find each product mentally. Use the Distributive Property.

1. 5×15 **2.** 7×12 **3.** 4×24

4. 6×51 **5.** 3×81 **6.** 2×72

7. 20×1.7 **8.** 11×2.1 **9.** 15×3.4

Rewrite each expression using the Distributive Property. Then evaluate.

10. $5(20 + 8)$ **11.** $3(50 + 8)$

12. $(30 + 5)6$ **13.** $(40 + 5)6$

14. $11(20 + 5)$ **15.** $13(30 + 4)$

16. $(10 \times 50) + (10 \times 9)$ **17.** $(12 \times 40) + (12 \times 2)$

Identify the property shown by each equation.

18. $7 \times 8 = 8 \times 7$ **19.** $4 + 5 = 5 + 4$

20. $14 + 27 + 16 = 14 + 16 + 27$ **21.** $9 \times 1 = 9$

22. $(7 \times 2) \times 4 = 7 \times (2 \times 4)$ **23.** $2 \times 3 \times 4 = 2 \times 4 \times 3$

24. $0 + 11 = 11$ **25.** $(6 \times 4) \times 2 = 2 \times (6 \times 4)$

26. $15(5 + 7) = 15 \times 5 + 15 \times 7$ **27.** $5 + (15 + 9) = (15 + 9) + 5$

Find each sum or product mentally.

28. $5 \times 19 \times 2$ **29.** $12 + 14 + 8$ **30.** $5 \times 23 \times 20$

31. $15 + 17 + 15$ **32.** $4 \times 27 \times 25$ **33.** $14 + 37 + 26$

34. $25 + 26 + 15$ **35.** $25 \times 6 \times 2$ **36.** $13 + 6 + 17$

NAME _____ DATE _____ PERIOD _____

9-2 Practice: Skills

Solving Addition Equations

Solve each equation. Use models if necessary. Check your solution.

1. $x + 8 = 10$

2. $y + 3 = 7$

3. $z + 4 = 6$

4. $1 + a = 9$

5. $b + 2 = -4$

6. $5 + c = -1$

7. $g + 5 = 2$

8. $6 + h = 3$

9. $k + 7 = 5$

10. $8 = m + 2$

11. $-5 = 2 + n$

12. $4 + s = 1$

13. $-6 = z + 4$

14. $b + 6 = 7$

15. $7 + g = 4$

16. $n + 6 = 4$

17. $s + 5 = 9$

18. $-4 = x + 3$

19. $5 = 1 + k$

20. $8 + c = 3$

21. $9 + m = 5$

22. $-2 = 7 + a$

23. $h + 3 = -3$

24. $-5 = y + 4$

25. Find the value of r if $r + 7 = 2$.

26. If $z + 5 = 1$, what is the value of z?

Lesson 9–2

NAME _____ DATE _____ PERIOD _____

9-3 Practice: Skills

Solving Subtraction Equations

Solve each equation. Use models if necessary. Check your solution.

1. $a - 1 = 7$

2. $b - 2 = 1$

3. $3 = c - 1$

4. $x - 3 = -1$

5. $-3 = y - 4$

6. $2 = k - 4$

7. $m - 5 = -6$

8. $n - 6 = -9$

9. $-10 = s - 8$

10. $t - 9 = -1$

11. $v - 9 = -5$

12. $-6 = v - 7$

13. $3 = g - 6$

14. $-3 = h - 8$

15. $-5 = z - 7$

16. $z - 3 = 7$

17. $5 = f - 1$

18. $-1 = d - 2$

19. $e - 9 = -6$

20. $1 = t - 8$

21. $i - 5 = 4$

22. $g - 4 = 1$

23. $-3 = x - 2$

24. $y - 4 = -7$

25. If $r - 7 = -7$, what is the value of r?

26. Find the value of b if $b - 2 = 5$.

NAME _____ DATE _____ PERIOD _____

9-4 Practice: Skills

Solving Multiplication Equations

Solve each equation. Use models if necessary. Check your solution.

1. $3a = 9$

2. $7b = 14$

3. $36 = 9c$

4. $-15 = 5x$

5. $-42 = 6y$

6. $8z = -16$

7. $-4m = 28$

8. $-2n = 8$

9. $-21 = 7s$

10. $-25 = -5r$

11. $-18 = -6t$

12. $-9p = -18$

13. $2x = 18$

14. $4w = 24$

15. $6g = 9$

16. $-32 = 2v$

17. $-18 = 3b$

18. $7h = -35$

19. $-8k = 20$

20. $14 = -4d$

21. $-72 = 9r$

22. $-3z = 27$

23. $5x = -35$

24. $28 = 8y$

25. Solve the equation $9y = 81$.

26. What is w if $2w = 16$?

Lesson 9–4

NAME _____ DATE _____ PERIOD _____

9-5 Practice: Skills

Solving Two-Step Equations

Solve each equation. Use models if necessary.

1. $2a + 4 = 6$

2. $3b + 4 = 10$

3. $7 = 4c - 5$

4. $3x - 3 = -6$

5. $4y - 2 = -14$

6. $3 = 2g + 5$

7. $1 = 2f - 7$

8. $2 = 3h + 8$

9. $5z + 1 = 16$

10. $7m - 5 = 9$

11. $1 = 8n - 7$

12. $-11 = 9s + 7$

13. $4t + 7 = -5$

14. $4v + 10 = -6$

15. $6 = 2x - 10$

16. $3w + 5 = -7$

17. $2r - 5 = 3$

18. $5 = 2z - 9$

19. Fourteen less than four times a number is six. What is the number?

20. Two is four more than twice a number. What is the number?

21. Nine less than three times a number is zero. What is the number?

22. Two is seventeen more than three times what number?

NAME _____ DATE _____ PERIOD _____

9-6 Practice: Skills

Functions

Complete each function table.

1.

Input (x)	Output ($x + 3$)
0	
2	
4	

2.

Input (x)	Output ($-3x$)
-1	
1	
2	

3.

Input (x)	Output ($x - 1$)
-5	
-1	
4	

4.

Input (x)	Output $\left(\frac{1}{4}x\right)$
-8	
0	
8	

5. If a function rule is $2x - 3$, what is the output for 3?

6. If a function rule is $4 - x$, what is the output for -2?

Find the rule for each function table. Write the rule in the table.

7.

x	$x - 3$
-1	-4
0	-3
2	-1

8.

x	$x - 9$
-3	-12
0	-9
4	-5

9.

x	$5x$
-3	-15
-2	-10
3	15

10.

x	$-\frac{1}{2}x$
-12	6
1	$-\frac{1}{2}$
6	-3

Lesson 9–6

NAME _____ DATE _____ PERIOD _____

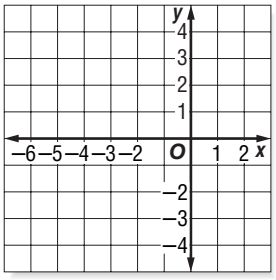
9-7 Practice: Skills

Graphing Functions

Complete each function table. Then graph the function.

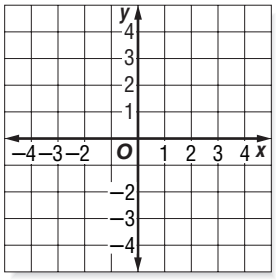
1.

Input (x)	Output ($x + 4$)
–5	
–3	
0	



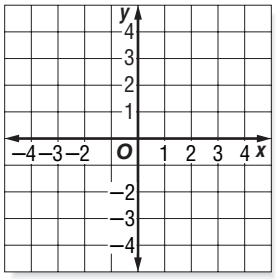
2.

Input (x)	Output ($3 - x$)
2	
3	
4	



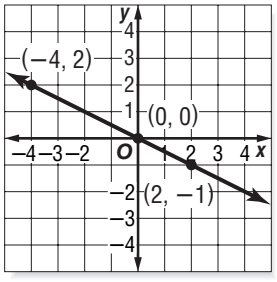
3.

Input (x)	Output $\left(\frac{1}{3}x\right)$
–3	
0	
3	



Make a function table for each graph. Then determine the function rule.

4.



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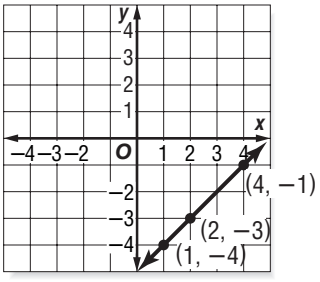

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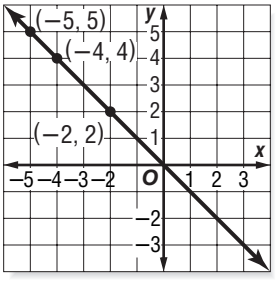


NAME _____ DATE _____ PERIOD _____

10-1 Practice: Skills

Ratios

Write each ratio as a fraction in simplest form.

1. 3 sailboats to 6 motorboats

2. 4 tulips to 9 daffodils

3. 5 baseballs to 25 softballs

4. 2 days out of 8 days

5. 6 poodles out of 18 dogs

6. 10 yellow eggs out of 12 colored eggs

7. 12 sheets of paper out of 28

8. 18 hours out of 24 hours

9. 16 elms out of 20 trees

10. 15 trumpets to 9 trombones

11. 5 ducks to 30 geese

12. 14 lions to 10 tigers

13. 6 sodas out of 16 drinks

14. 20 blue jays out of 35 birds

Write each ratio as a unit rate.

15. 14 hours in 2 weeks

16. 36 pieces of candy for 6 children

17. 8 teaspoons for 4 cups

18. 8 tomatoes for $2

19. $28 for 4 hours

20. 150 miles in 3 hours

21. $18 for 3 CDs

22. 48 logs on 6 trucks

23. Write the ratio *21 wins to 9 losses* as a fraction in simplest form.

24. Write the ratio *$12 dollars for 3 tickets* as a unit rate.

NAME _____ DATE _____ PERIOD _____

10-2 Practice: Skills

Solving Proportions

Solve each proportion.

1. $\frac{2}{5} = \frac{8}{x}$

2. $\frac{2}{7} = \frac{4}{y}$

3. $\frac{3}{5} = \frac{b}{30}$

4. $\frac{2}{9} = \frac{c}{36}$

5. $\frac{4}{5} = \frac{d}{25}$

6. $\frac{20}{4} = \frac{10}{f}$

7. $\frac{g}{2} = \frac{28}{14}$

8. $\frac{2}{x} = \frac{10}{25}$

9. $\frac{4}{3} = \frac{h}{18}$

10. $\frac{10}{30} = \frac{2}{r}$

11. $\frac{t}{18} = \frac{3}{6}$

12. $\frac{2}{3} = \frac{6}{m}$

13. $\frac{9}{2} = \frac{s}{6}$

14. $\frac{n}{36} = \frac{2}{6}$

15. $\frac{4}{u} = \frac{12}{21}$

16. $\frac{5}{6} = \frac{m}{12}$

17. $\frac{d}{27} = \frac{4}{9}$

18. $\frac{5}{8} = \frac{15}{q}$

19. $\frac{15}{27} = \frac{5}{k}$

20. $\frac{4}{x} = \frac{20}{30}$

21. $\frac{b}{3} = \frac{24}{9}$

22. $\frac{z}{35} = \frac{4}{7}$

23. $\frac{6}{c} = \frac{24}{28}$

24. $\frac{6}{8} = \frac{x}{24}$

25. $\frac{14}{16} = \frac{b}{8}$

26. $\frac{8}{r} = \frac{24}{27}$

27. $\frac{16}{36} = \frac{t}{9}$

28. $\frac{1.2}{2.4} = \frac{2.4}{n}$

29. $\frac{0.5}{1.8} = \frac{s}{9}$

30. $\frac{1.6}{w} = \frac{8}{16}$

31. What is the solution of $\frac{3}{5} = \frac{2}{k}$? Round to the nearest tenth.

32. Find the solution of $\frac{4.3}{3} = \frac{n}{2.2}$ to the nearest tenth.

Lesson 10–2

NAME _____ DATE _____ PERIOD _____

10-3 Practice: Skills

Scale Drawings and Models

DRAFTING **On a set of drawings, the scale is 2 inches = 3 feet. Find the actual measurements.**

	Object	Drawing	Actual Size
1.	table	4 inches	
2.	wall	10 inches	
3.	road	18 inches	
4.	door	5 inches	
5.	computer	1 inch	
6.	lamp	0.5 inch	

LIZARDS **Models of lizards were made using the given scales. Find the actual measurements.**

Scale: 1 inch = $\frac{1}{2}$ inch

	Whiptail Lizard	Model	Actual Size
7.	body length	6 inches	
8.	tail length	12 inches	

Scale: 2 inches = 3 inches

	Desert Iguana	Model	Actual Size
9.	body length	9 inches	
10.	tail length	18 inches	

Scale: 4 inches = 5 inches

	Ground Gecko	Model	Actual Size
11.	body length	3.6 inches	
12.	tail length	2 inches	

MAPS **A map has a scale of 3 inches = 7 miles. Find the actual distance between the cities with the map distances given.**

13. 8.4 inches between Fall City and Summit

14. 2 inches between Potter and Green River

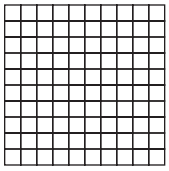
NAME _____ DATE _____ PERIOD _____

10-4 Practice: Skills

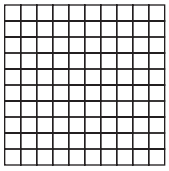
Modeling Percents

Model each percent.

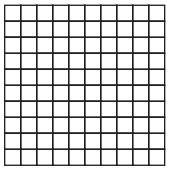
1. 15%



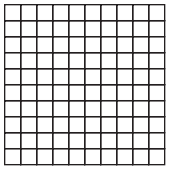
2. 50%



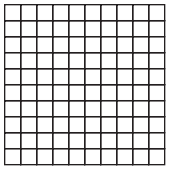
3. 75%



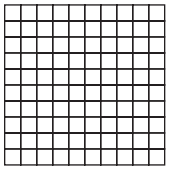
4. 80%



5. 21%

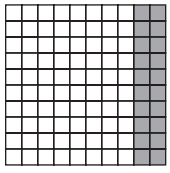


6. 48%



Identify each percent that is modeled.

7.



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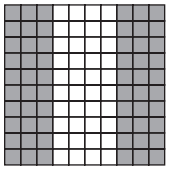

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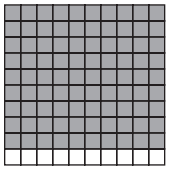

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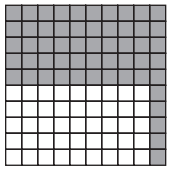

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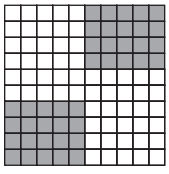

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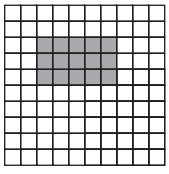

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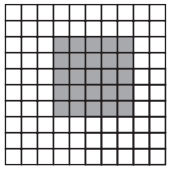

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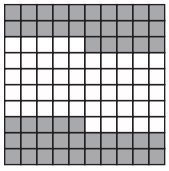

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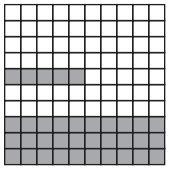


Lesson 10–4

NAME _____ DATE _____ PERIOD _____

10-5 Practice: Skills

Percents and Fractions

Write each percent as a fraction in simplest form.

1. 40%

2. 30%

3. 55%

4. 75%

5. 140%

6. 175%

7. 24%

8. 68%

9. 44%

10. 92%

11. 110%

12. 155%

13. 18%

14. 74%

15. 43%

Write each fraction as a percent.

16. $\frac{4}{5}$

17. $\frac{3}{20}$

18. $\frac{7}{10}$

19. $\frac{3}{5}$

20. $\frac{3}{2}$

21. $\frac{5}{4}$

22. $\frac{6}{5}$

23. $\frac{9}{20}$

24. $\frac{13}{20}$

25. $\frac{17}{20}$

26. $\frac{9}{5}$

27. $\frac{11}{10}$

28. $\frac{19}{20}$

29. $\frac{13}{10}$

30. $\frac{21}{100}$

NAME _____ DATE _____ PERIOD _____

10-6 Practice: Skills

Percents and Decimals

Write each percent as a decimal.

1. 5%

2. 8%

3. 37%

4. 12%

5. 29%

6. 54%

7. 48%

8. 79%

9. 0.1%

10. 0.6%

11. 0.2%

12. 0.5%

13. 123%

14. 102%

15. 135%

16. 310%

Write each decimal as a percent.

17. 0.3

18. 0.7

19. 0.19

20. 0.74

21. 0.66

22. 0.52

23. 0.21

24. 0.81

25. 0.13

26. 0.362

27. 0.528

28. 0.245

29. 0.194

30. 0.334

31. 0.426

32. 0.059

NAME _____ DATE _____ PERIOD _____

10-7 Practice: Skills

Percent of a Number

Find the percent of each number.

1. 25% of 16

2. 50% of 70

3. 10% of 30

4. 60% of 40

5. 75% of 20

6. 20% of 90

7. 30% of 110

8. 50% of 140

9. 25% of 80

10. 4% of 100

11. 75% of 36

12. 90% of 120

13. 125% of 40

14. 8% of 25

15. 150% of 22

16. 110% of 50

17. 125% of 60

18. 0.4% of 5

19. 6.5% of 40

20. 0.5% of 14

21. 0.1% of 29

22. 130% of 80

23. 4.5% of 60

24. 0.5% of 34

25. 14.5% of 60

26. 14% of 30

27. 24% of 15

28. 140% of 30

29. 6% of 55

30. 160% of 22

NAME _____ DATE _____ PERIOD _____

10-8 Practice: Skills

Estimating with Percents

Estimate each percent.

1. 58% of 5

2. 41% of 10

3. 75% of 17

4. 50% of 39

5. 24% of 13

6. 82% of 24

7. 19% of 31

8. 73% of 61

9. 62% of 34

10. 49% of 71

11. 38% of 42

12. 27% of 81

13. 79% of 16

14. 52% of 118

15. 19% of 94

16. 33% of 61

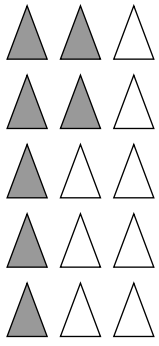
17. 91% of 82

18. 67% of 241

Estimate the percent of the figure that is shaded.

19. 

20. 

21. 

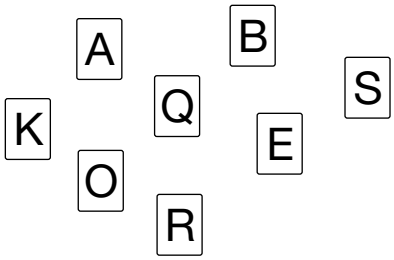
Lesson 10–8

NAME _____ DATE _____ PERIOD _____

11-1 Practice: Skills

Theoretical Probability

A card is randomly chosen. Find each probability. Write each answer as a fraction, a decimal, and a percent.



1. *P*(B)

2. *P*(Q or R)

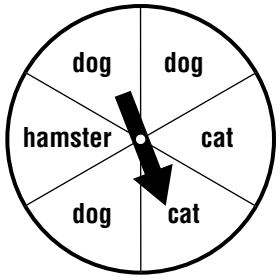
3. *P*(vowel)

4. *P*(consonant or vowel)

5. *P*(consonant or A)

6. *P*(T)

The spinner shown is spun once. Write a sentence explaining how likely it is for each event to occur.



7. *P*(dog)

8. *P*(hamster)

9. *P*(dog or cat)

10. *P*(bird)

11. *P*(mammal)

WEATHER The weather reporter says that there is a 12% chance that it will be moderately windy tomorrow.

12. What is the probability that it will not be windy?

13. Will tomorrow be a good day to fly a kite? Explain.

NAME _____ DATE _____ PERIOD _____

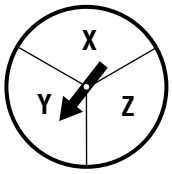
11-2 Practice: Skills

Outcomes

1. In how many ways can 2 coins be chosen from a set of 1 penny, 1 nickel, 1 dime, and 1 quarter? Make a list to show the sample space.

Draw a tree diagram to show the sample space for each situation. Then tell how many outcomes are possible and find the given probability.

2. Each spinner is spun once. How many outcomes are possible? Find P(pink, Z).



3. chocolate, vanilla, strawberry, or mint ice cream with sugar or waffle cone
How many outcomes are possible? Find P(vanilla, waffle).

4. paint room cream, violet, or blue with red, white or gold trim
How many outcomes are possible? Find P(blue, red).

Lesson 11–2

NAME _____ DATE _____ PERIOD _____

11-3 Practice: Skills

Making Predictions

Determine whether each sample is a good sample. Explain.

1. 250 people at the beach in the summer are asked to name their favorite vacation spot.

2. Every fourth shopper at a grocery store is asked whether or not he or she owns a pet.

For Exercise 3–6, use the table and the following information. A survey of students' favorite sports was taken from a random sample of students in a school. The results are shown in the table.

Students' Favorite Sports	
Soccer	8
Baseball /Softball	3
Volleyball	5
Track & Field	4

3. What is the size of the sample?

4. What is the probability that a student will prefer soccer?

5. What is the probability that a student will prefer volleyball?

6. There are 550 students in the school. Predict how many students at the school prefer track and field.

For Exercises 7–10, use the table and the following information. A random sample of 40 flower shop customers was surveyed to find customers' favorite flowers. The table shows the results. The shop expects to sell 50 bunches of flowers on Sunday. How many bunches of each flower should the shop order?

Favorite Flower	
Type	**Shoppers**
Daisy	8
Gardenia	4
Mum	8
Rose	20

7. daisy

8. rose

9. mum

10. gardenia

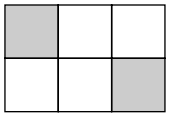
NAME _____ DATE _____ PERIOD _____

11-4 Practice: Skills

Probability and Area

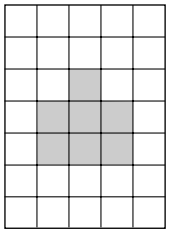
Find the probability that a randomly thrown dart will land in the shaded region of each dartboard.

1.



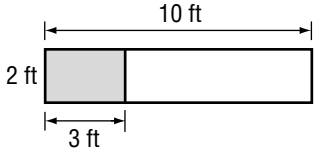
2.

3.



Suppose you randomly throw 10 darts at each dartboard below. How many darts would you expect to land in each shaded area?

4.



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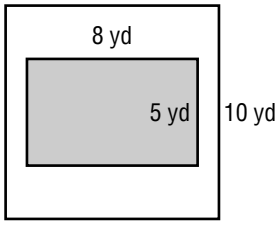

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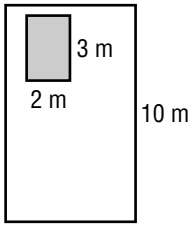


Use the dartboard at the right.

V	Q	W	O
E	Z	I	X

7. What is the probability of a randomly thrown dart landing on a consonant?

8. If 40 darts are randomly thrown, how many would you predict to land on a consonant?

9. What is the probability that a randomly thrown dart would land on a vowel?

10. If 200 darts are randomly thrown, how many would you predict to land on a vowel?

Lesson 11–4

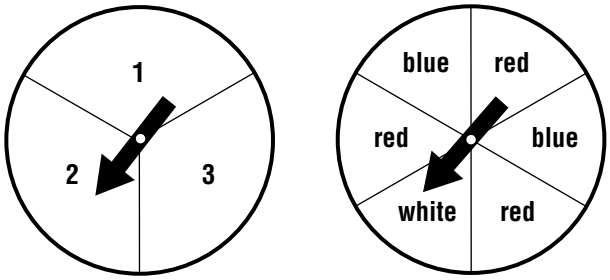
NAME _____ DATE _____ PERIOD _____

11-5

Practice: Skills

Probability of Independent Events

The two spinners shown are spun. Find the probability of each event.



1. *P*(1 and white)

2. *P*(3 and red)

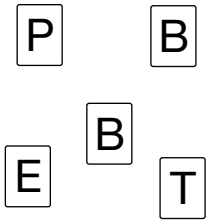
3. *P*(2 and blue)

4. *P*(odd and red)

5. *P*(4 and white)

6. *P*(even and any color other than white)

Suppose you select a card from the pile shown and then roll a number cube. Find the probability of each event.



7. *P*(B and 4)

8. *P*(B and even)

9. *P*(consonant and 5)

10. *P*(vowel and odd)

11. *P*(E and number less than 7)

12. *P*(5 and odd)

13. **NATURE** The table lists the autumn leaves each girl collected. Each girl reaches into her own bag and randomly selects a leaf. Find the probability that Jane chooses a maple and Mary chooses an aspen leaf.

Name	Maple	Cottonwood	Aspen
Jane	14	8	6
Mary	8	10	2

NAME _____ DATE _____ PERIOD _____

12-1 Practice: Skills

Length in the Customary System

Complete.

1. 2 ft = __?__ in.

2. 5 yd = __?__ ft

3. 18 ft = __?__ yd

4. 60 in. = __?__ ft

5. 3,520 yd = __?__ mi

6. 36 in. = __?__ yd

7. 3 yd = __?__ in.

8. $3\frac{1}{2}$ yd = __?__ ft

9. 2 mi = __?__ ft

Draw a line segment of each length.

10. $3\frac{1}{2}$ in.

11. $1\frac{3}{4}$ in.

12. $2\frac{1}{8}$ in.

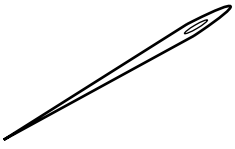
13. $1\frac{7}{8}$ in.

14. $2\frac{1}{4}$ in.

15. $\frac{5}{8}$ in.

For Exercises 16–18, find the length of each line segment or object to the nearest half, fourth, or eighth inch.

16.



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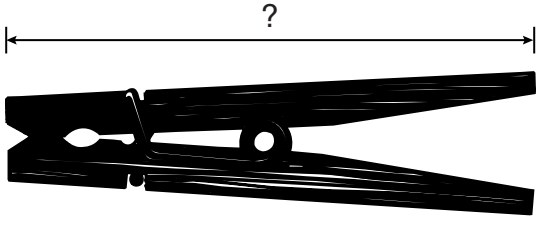

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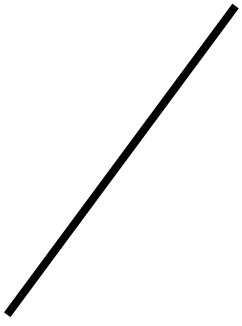


19. Which is greater: $2\frac{1}{4}$ feet or 26 inches? Explain.

20. Which is greater: $3\frac{1}{3}$ yards or 12 feet? Explain.

NAME _____ DATE _____ PERIOD _____

12-2 Practice: Skills

Capacity and Weight in the Customary System

Complete.

1. 2 lb = __?__ oz

2. 3 gal = __?__ qt

3. 40 fl oz = __?__ c

4. 32 oz = __?__ lb

5. 4 pt = __?__ c

6. 16 pt = __?__ qt

7. $2\frac{1}{2}$ pt = __?__ c

8. 6 c = __?__ pt

9. $1\frac{1}{2}$ T = __?__ lb

10. 44 qt = __?__ gal

11. $3\frac{3}{4}$ pt = __?__ c

12. 3 gal = __?__ pt

13. 10,000 lb = __?__ T

14. 2 T = __?__ oz

15. $1\frac{1}{2}$ qt = __?__ c

16. $3\frac{1}{2}$ c = __?__ fl oz

17. 96 oz = __?__ lb

18. 64 fl oz = __?__ c

19. 32,000 oz = __?__ T

20. $2\frac{1}{2}$ lb = __?__ oz

21. 11 qt = __?__ gal

Choose the better estimate for each measure.

22. the weight of a bag of potatoes: 5 tons or 5 pounds

23. the amount of water in a sports bottle: 16 fluid ounces or 4 pints

24. the weight of an apple: $\frac{1}{2}$ pound or 32 ounces

Lesson 12–2

NAME _____ DATE _____ PERIOD _____

12-3 Practice: Skills

Length in the Metric System

Write the metric unit of length you would use to measure each of the following.

1. depth of an ocean

2. length of an eyelash

3. length of your bedroom

4. length of the Panama Canal

5. height of a can of soup

6. depth of a swimming pool

7. length of the eye of a needle

8. height of a washing machine

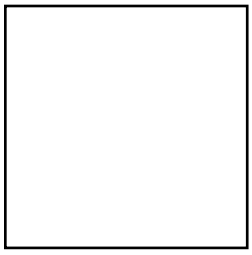
9. length of a pencil

10. width of a pencil

Measure each line segment or side of each figure in centimeters and millimeters.

11.

12. 

13. 

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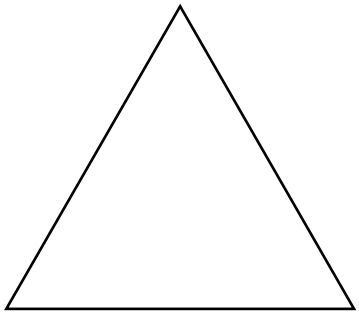
15. 

16.

NAME _____ DATE _____ PERIOD _____

12-4 Practice: Skills

Mass and Capacity in the Metric System

Write the metric unit of mass or capacity that you would use to measure each of the following. Then estimate the mass or capacity.

1. leaf

2. large cup of hot chocolate

3. home aquarium

4. feather

5. crayon

6. water in a plastic wading pool

7. mosquito

8. penny

9. spaghetti sauce in a saucepan

10. bowling ball

11. liquid in a thermometer

12. teaspoon of vanilla extract

13. rectangular eraser

14. grain of sand

15. wheat bread sandwich

16. banana

17. pot of tea

18. calculator

19. house cat

20. car key

21. small glass of juice

22. pair of skis

23. water in a washing machine for large load

24. piano

25. tube of oil paint

26. small bucket of soapy water

27. feather pillow

28. hammer

29. surfboard

30. can of soup

Lesson 12–4

NAME _____ DATE _____ PERIOD _____

12-5 Practice: Skills

Changing Metric Units

Complete.

1. 530 mm = __?__ cm

2. 23 kg = __?__ g

3. 1,500 mL = __?__ L

4. __?__ m = 340 cm

5. 13 cm = __?__ mm

6. 16 g = __?__ mg

7. 3.72 L = __?__ mL

8. __?__ cm = 9.75 m

9. 149 cm = __?__ m

10. __?__ m = 524 cm

11. __?__ g = 0.56 kg

12. 3 mm = __?__ cm

13. 1.5 km = __?__ m

14. 4,200 mm = __?__ m

15. __?__ L = 650 mL

16. 2.5 L = __?__ mL

17. 13.2 m = __?__ cm

18. __?__ mm = 8.3 m

19. 2 kg = __?__ mg

20. 6,000,000 mm = __?__ km

21. 0.89 m = __?__ cm

22. 0.085 g = __?__ mg

23. __?__ m = 4,600 mm

24. __?__ kg = 7,124 g

25. __?__ cm = 40 mm

26. __?__ m = 7 km

27. __?__ mL = 0.0817 L

28. 480 mL = __?__ L

29. 5,000 mg = __?__ kg

30. 4.8 km = __?__ cm

NAME _____ DATE _____ PERIOD _____

12-6 Practice: Skills

Measures of Time

Add or subtract.

1. 23 min 16 s
+12 min 34 s

2. 9 h 42 min
−3 h 18 min

3. 6 h 38 min
+5 h 22 min

4. 6 min 15 s
−2 min 32 s

5. 4 h 43 min
+11 h 27 min

6. 12 min 43 s
+ 9 min 58 s

7. 21 min 54 s
+26 min 19 s

8. 14 h
− 9 h 43 min

9. 2 h 13 min 28 s
+8 h 20 min 15 s

10. 12 h 20 min 38 s
− 7 h 13 min 20 s

11. 2 h 15 min 2 s
+4 h 48 min 9 s

12. 11 h 14 min 27 s
− 2 h 13 min 45 s

13. 11 h 23 min 6 s
− 5 h 36 min 29 s

14. 6 h 10 min 47 s
+2 h 51 min 28 s

15. 20 h
− 8 h 33 min 18 s

Find each elapsed time.

16. 6:35 A.M. to 9:55 A.M.

17. 12:20 P.M. to 3:05 P.M.

18. 11:05 A.M. to 4:37 P.M.

19. 10:45 A.M. to 5:25 P.M.

20. 9:18 P.M. to 1:33 A.M.

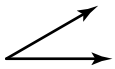
21. 9:52 A.M. to 5:20 P.M.

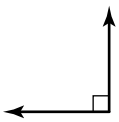
NAME _____ DATE _____ PERIOD _____

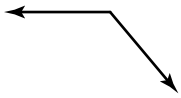
13-1 Practice: Skills

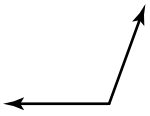
Angles

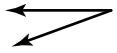
Use a protractor to find the measure of each angle. Then classify each angle as *acute*, *obtuse*, *right*, or *straight*.

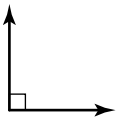
1. 

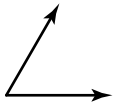
2. 

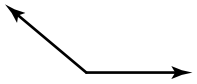
3. 

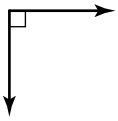
4. 

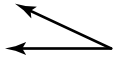
5. 

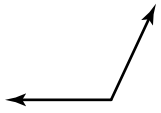
6. 

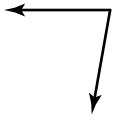
7. 

8. 

9. 

10. 

11. 

12. 

13. ALGEBRA If $m\angle K = 60°$ and $\angle J$ and $\angle K$ are complementary, what is $m\angle J$?

14. ALGEBRA Angles A and B are supplementary. What is $m\angle B$ if $m\angle A = 120°$?

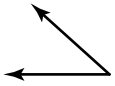
NAME _____ DATE _____ PERIOD _____

13-2 Practice: Skills

Using Angle Measures

Estimate the measure of each angle.

1. 

2. 

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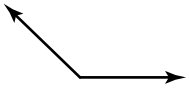
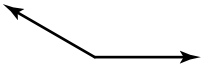
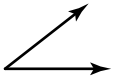
4. 

5. 

6. 

Use a protractor and straightedge to draw angles having the following measurements.

7. 105°

8. 40°

9. 80°

10. 64°

11. 123°

12. 167°

13. 93°

14. 26°

15. 142°

Lesson 13–2

NAME _____ DATE _____ PERIOD _____

13-3 Practice: Skills

Bisectors

Draw each line segment or angle having the given measurement. Then use a straightedge and a compass to bisect the line segment or angle.

1. 80°

2. 1 in.

3. 120°

4. 40°

5. 2 cm

6. 90°

7. 3 cm

8. 78°

9. 1.25 in.

10. 25°

11. 165°

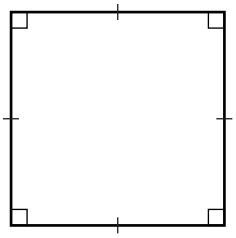
12. 2.25 in.

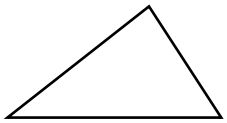
NAME _____ DATE _____ PERIOD _____

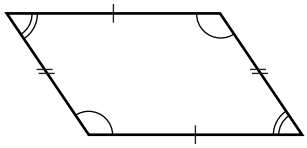
13-4 Practice: Skills

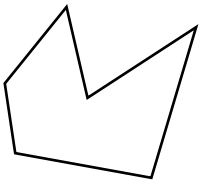
Two-Dimensional Figures

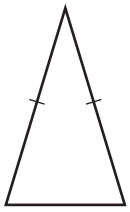
Identify each polygon. Then tell if it is a regular polygon.

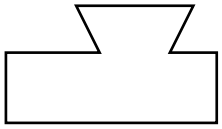
1. 

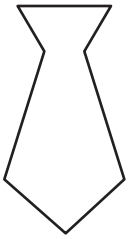
2. 

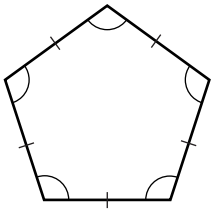
3. 

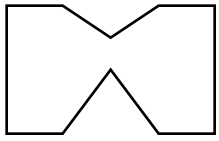
4. 

5. 

6. 

7. 

8. 

9. 

Draw an example of each polygon.

10. pentagon

11. a scalene triangle

12. a quadrilateral that is not a rectangle

Lesson 13–4

NAME _____ DATE _____ PERIOD _____

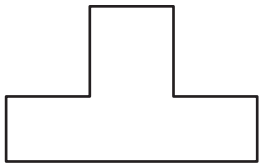
13-5

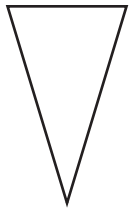
Practice: Skills

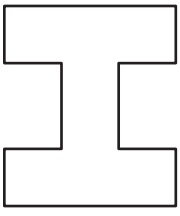
Lines of Symmetry

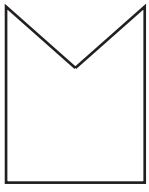
Draw all lines of symmetry for each figure.

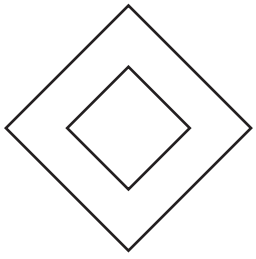
1. 

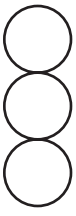
2. 

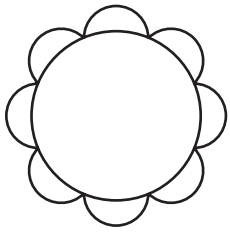
3. 

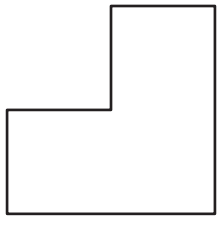
4. 

5. 

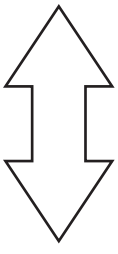
6. 

7. 

8. 

9. 

Tell whether each figure has rotational symmetry. Write *yes* or *no*.

10. 

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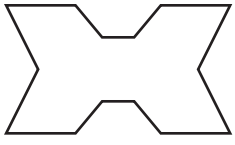
12. 

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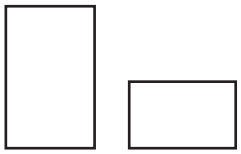
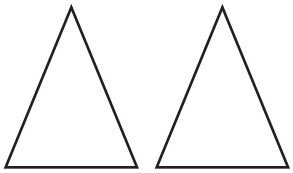
13-6 Practice: Skills

Similar and Congruent Figures

Tell whether each pair of figures is *similar*, *congruent*, or *neither*.

1. 

2. 

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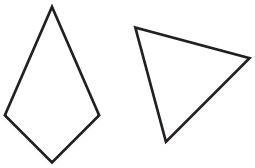
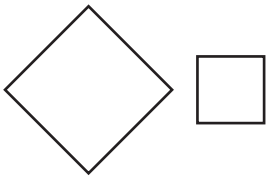
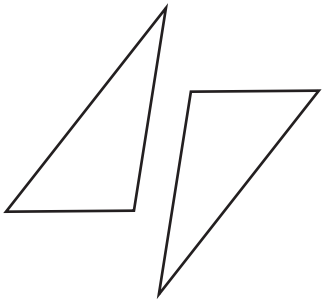
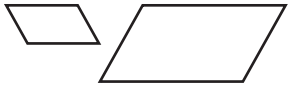
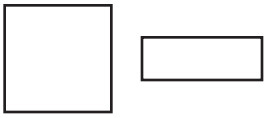
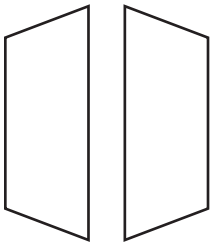
4. 

5. 

6. 

7. 

8. 

9. 

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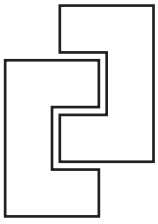
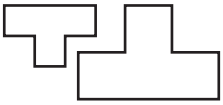
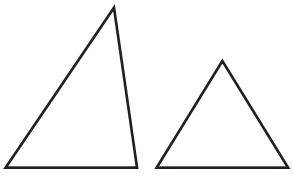
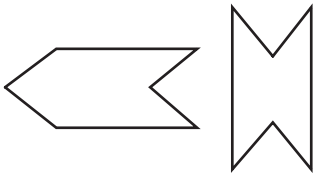
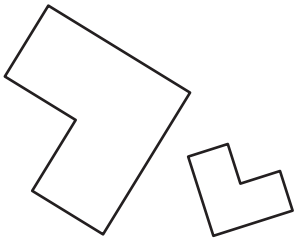
11. 

12. 

13. 

14. 

15. 

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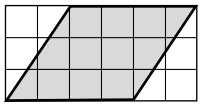
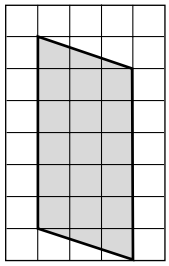
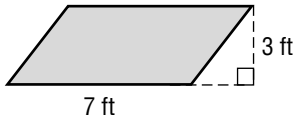
14-1 Practice: Skills

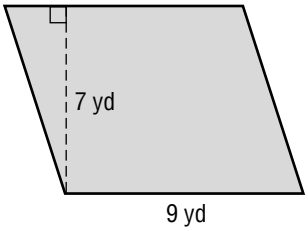
Area of Parallelograms

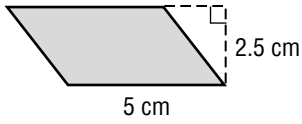
Find the area of each parallelogram. Round to the nearest tenth if necessary.

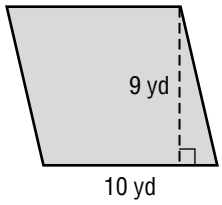
1. 

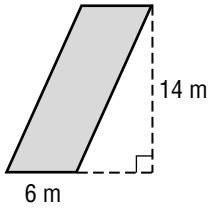
2. 

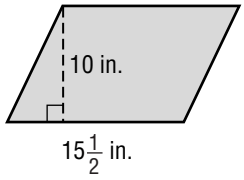
3. 

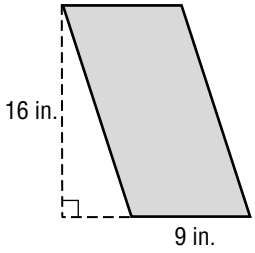
4. 

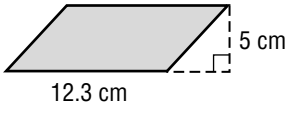
5. 

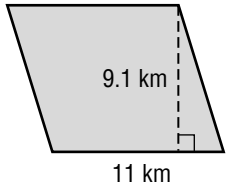
6. 

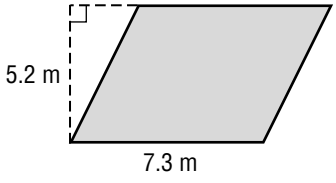
7. 

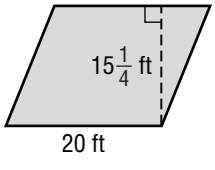
8. 

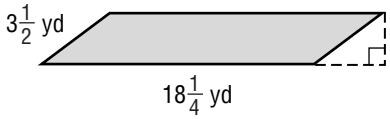
9. 

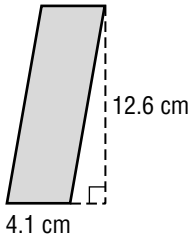
10. 

11. 

12. 

13. 

14. 

15. 

16. What is the measure of the area of a parallelogram with a base of $6\frac{2}{3}$ inches and a height of $1\frac{1}{2}$ inches?

17. Find the area of a parallelogram with base $7\frac{1}{5}$ yards and height $1\frac{1}{9}$ yards.

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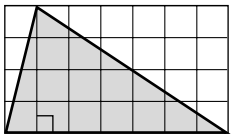
14-2 Practice: Skills

Area of Triangles

Find the area of each triangle. Round to the nearest tenth if necessary.

1.



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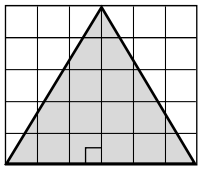

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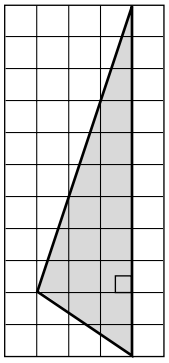

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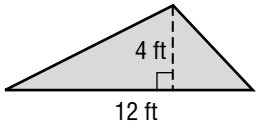

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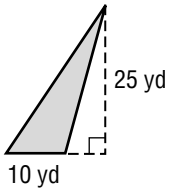

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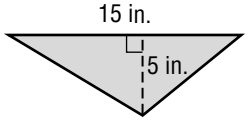

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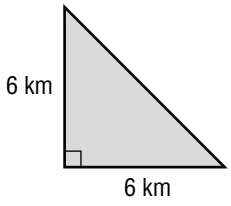

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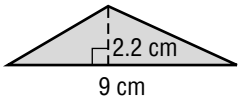

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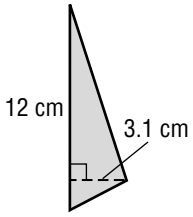

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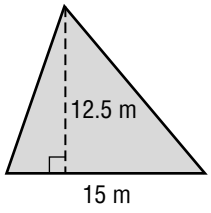

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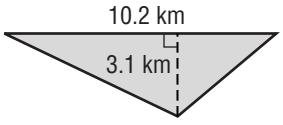

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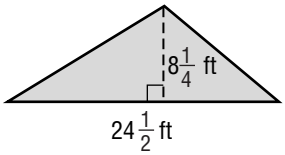

13. base: 4 in.

height: 11 in.

14. base: $4\frac{3}{4}$ yd

height: $1\frac{1}{3}$ yd

15. base: $5\frac{1}{4}$ ft

height: $2\frac{2}{3}$ ft

Lesson 14–2

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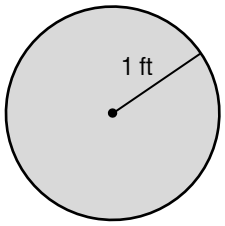
14-3 Practice: Skills

Area of Circles

Find the area of each circle to the nearest tenth. Use 3.14 for π.

1.



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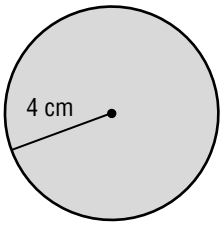

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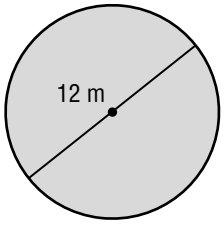

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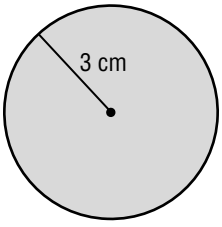

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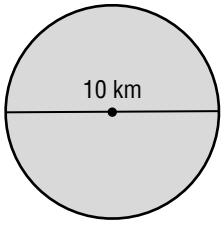
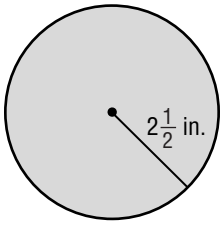


6.



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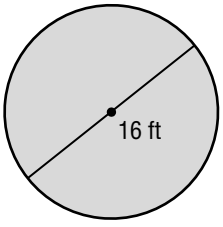

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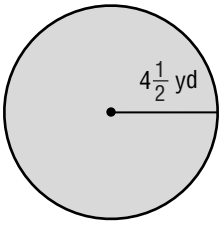

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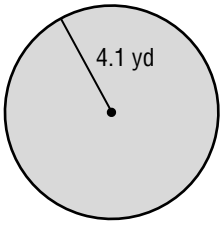

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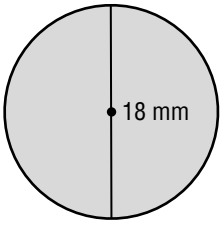

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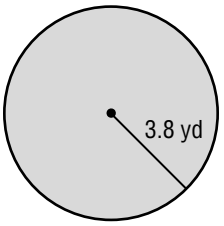

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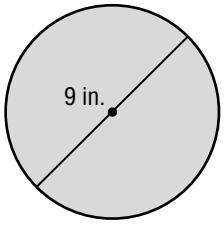

13. What is the area of a circle whose radius is 4.2 yards?

14. Find the area of a circle with a diameter of 13 meters.

15. What is the area of a circle whose radius is 6.6 inches?

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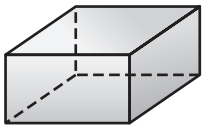
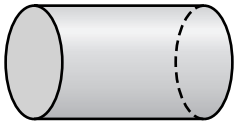
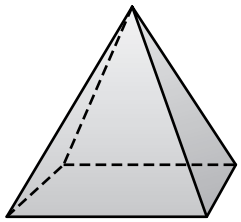
14-4 Practice: Skills

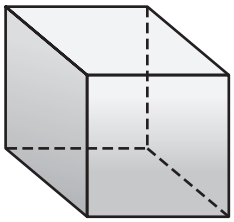
Three-Dimensional Figures

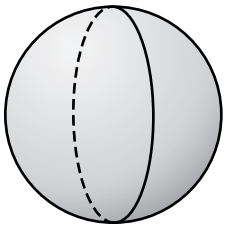
Identify each figure.

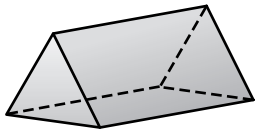
1. 

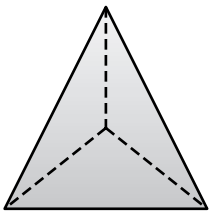
2. 

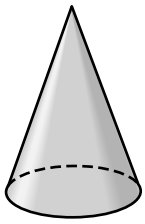
3. 

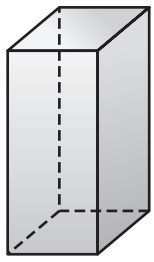
4. 

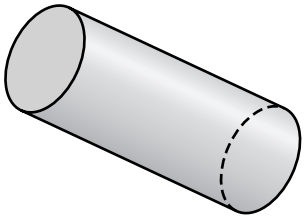
5. 

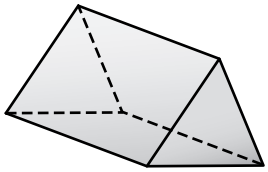
6. 

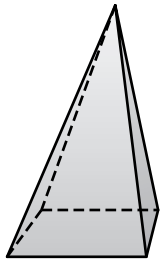
7. 

8. 

9. 

10. 

11. 

12. 

Lesson 14–4

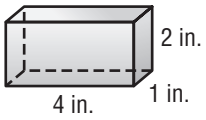
NAME _____ DATE _____ PERIOD _____

14-5 Practice: Skills

Volume of Rectangular Prisms

Find the volume of each rectangular prism. Round to the nearest tenth if necessary.

1.



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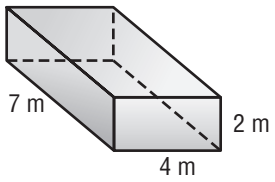

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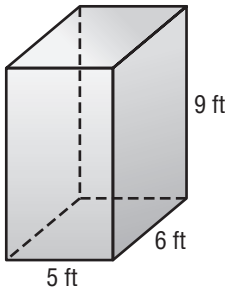

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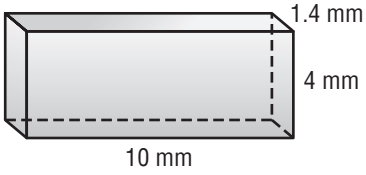

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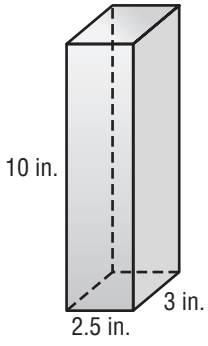

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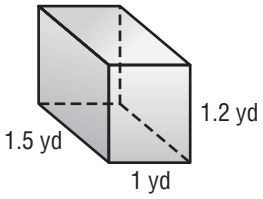

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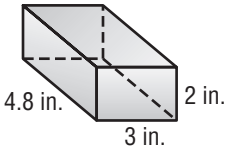

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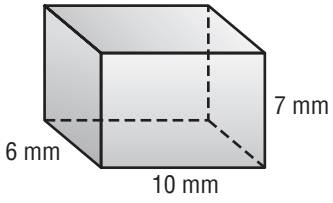

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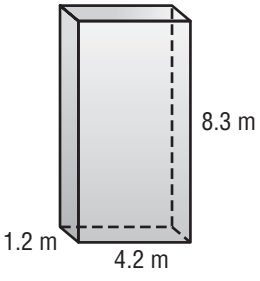

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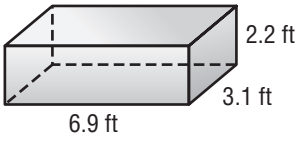

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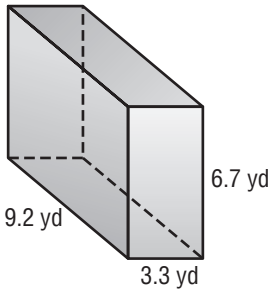

13. Find the volume of a rectangular prism with length 9 meters, width 4 meters, and height 5 meters.

14. What is the volume, to the nearest tenth, of a rectangular prism with length 6.2 yards, width 2.6 yards, and a height of 1.5 yards?

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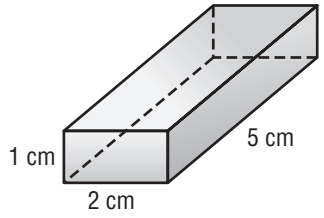
14-6 Practice: Skills

Surface Area of Rectangular Prisms

Find the surface area of each rectangular prism. Round to the nearest tenth if necessary.

1.



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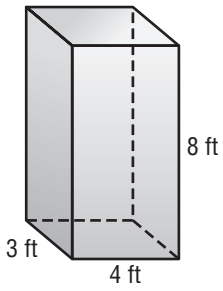

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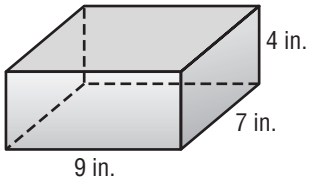

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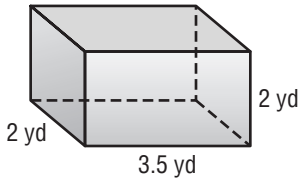

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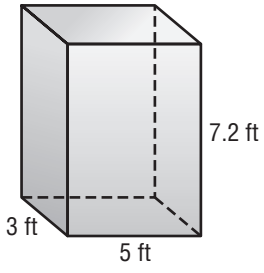

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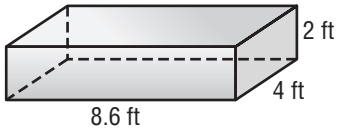

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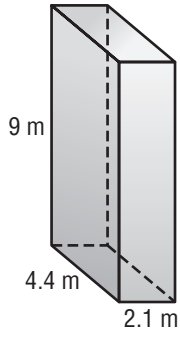

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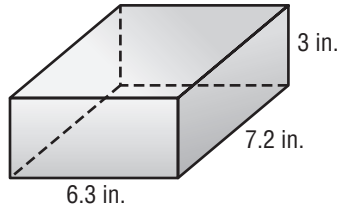

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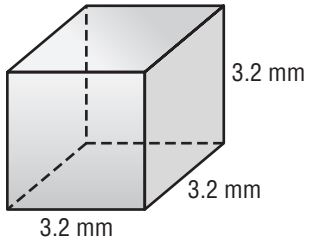

10. Find the surface area of a rectangular prism that is $3\frac{1}{2}$ feet by $4\frac{1}{4}$ feet by 6 feet.

11. What is the surface area of a rectangular prism that measures $2\frac{1}{3}$ meters by $2\frac{1}{2}$ meters by 4 meters?

Lesson 14–6