

Add or subtract.

$$\begin{array}{r} 1. \quad 3 \\ 7 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 3 \\ 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 2 \\ 8 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 9 \\ 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 20 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 39 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 45 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 80 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 100 \\ - 45 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 732 \\ + 149 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 4,200 \\ - 1,341 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 9,851 \\ - 3,480 \\ \hline \end{array}$$

$$13. \quad 8 + \underline{\hspace{1cm}} = 15$$

$$14. \quad 7 + \underline{\hspace{1cm}} = 13$$

$$15. \quad 3 + \underline{\hspace{1cm}} = 12$$

$$16. \quad 30 - \underline{\hspace{1cm}} = 25$$

$$17. \quad 35 - \underline{\hspace{1cm}} = 20$$

$$18. \quad 30 - \underline{\hspace{1cm}} = 22$$

$$19. \quad 7 + 8 - 5 + 6 = \underline{\hspace{1cm}}$$

$$20. \quad 9 + 3 - 0 + 4 = \underline{\hspace{1cm}}$$

Solve.

$$\begin{array}{r} 1. \quad 23 \\ 47 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 71 \\ 69 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 84 \\ 45 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 999 \\ - 374 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 500 \\ - 389 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 600 \\ - 421 \\ \hline \end{array}$$

$$7. \quad 54 - \underline{\hspace{1cm}} = 40$$

$$8. \quad 36 - \underline{\hspace{1cm}} = 30$$

$$9. \quad 49 - \underline{\hspace{1cm}} = 30$$

$$10. \quad 27 + \underline{\hspace{1cm}} = 50$$

$$11. \quad 73 + \underline{\hspace{1cm}} = 80$$

$$12. \quad 26 + \underline{\hspace{1cm}} = 40$$

$$13. \quad 8 \times \underline{\hspace{1cm}} = 24$$

$$14. \quad 7 \times \underline{\hspace{1cm}} = 42$$

$$15. \quad 6 \times \underline{\hspace{1cm}} = 48$$

$$\begin{array}{r} 16. \quad 89 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 50 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 300 \\ - 72 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 1,457 \\ + 2,394 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 7,000 \\ - 1,329 \\ \hline \end{array}$$

Write the answer using **387,406**.

1. The value of 8 in standard form

2. The digit in the Hundred Thousands place

3. The value of 4 in standard form

4. Round to the greatest place.

Write the numbers from *least to greatest*.

5.

42,389

41,857

42,399

6.

819,234

89,973

809,583

819,233

Write a comparison sentence using **>** or **<**.

7. 63,271,809 ○ 63,270,899

8. 403,241,589 ○ 49,864,101

9. 19 million ○ 9 billion

Complete the equation.

10. $4 + 4 + 4 = \underline{\quad} \times 4$

11. $8 + 8 = \underline{\quad} \times 8$

12. $9 + 9 + 9 + 9 = \underline{\quad} \times 9$

13. $7 + 7 = 2 \times \underline{\quad}$

14. $6 + 6 + 6 + 6 = 4 \times \underline{\quad}$

15. $5 + 5 + 5 = \underline{\quad} \times 5$

16. $5 \times 7 = \underline{\quad}$

17. $4 \times 8 = \underline{\quad}$

18. $9 \times 3 = \underline{\quad}$

19. $6 \times 10 = \underline{\quad}$

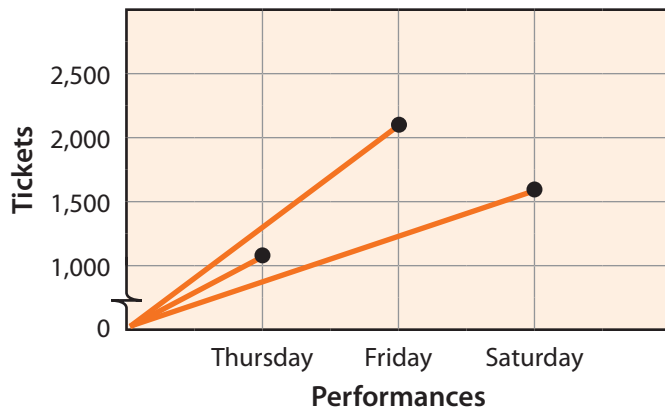
20. $2 \times 9 = \underline{\quad}$

Solve.

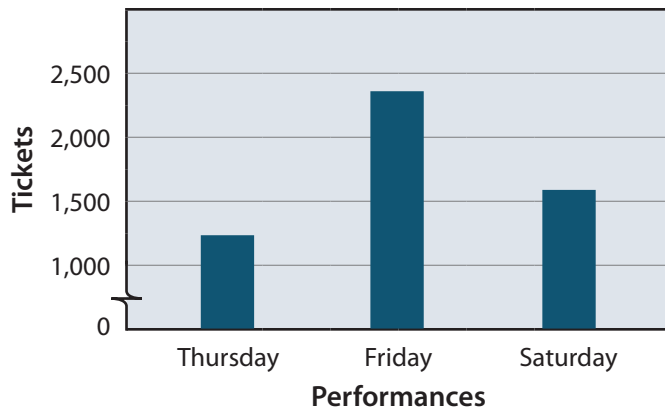
Calvary Christian School performed *Winnie-the-Pooh* in the Civic Center Auditorium.

1. Addison bought tickets for the play. His parents, sister, and cousin were going with him to the performance. In addition, he got tickets for the neighbors. He purchased eleven tickets. How many tickets did he purchase for the neighbors?
2. The ticket office sold 1,243 tickets for the Thursday night performance of the play, 2,390 for the Friday night performance, and 1,596 for the Saturday afternoon performance. How many tickets were sold for the play?

**Tickets Sold for
*Winnie-the-Pooh***

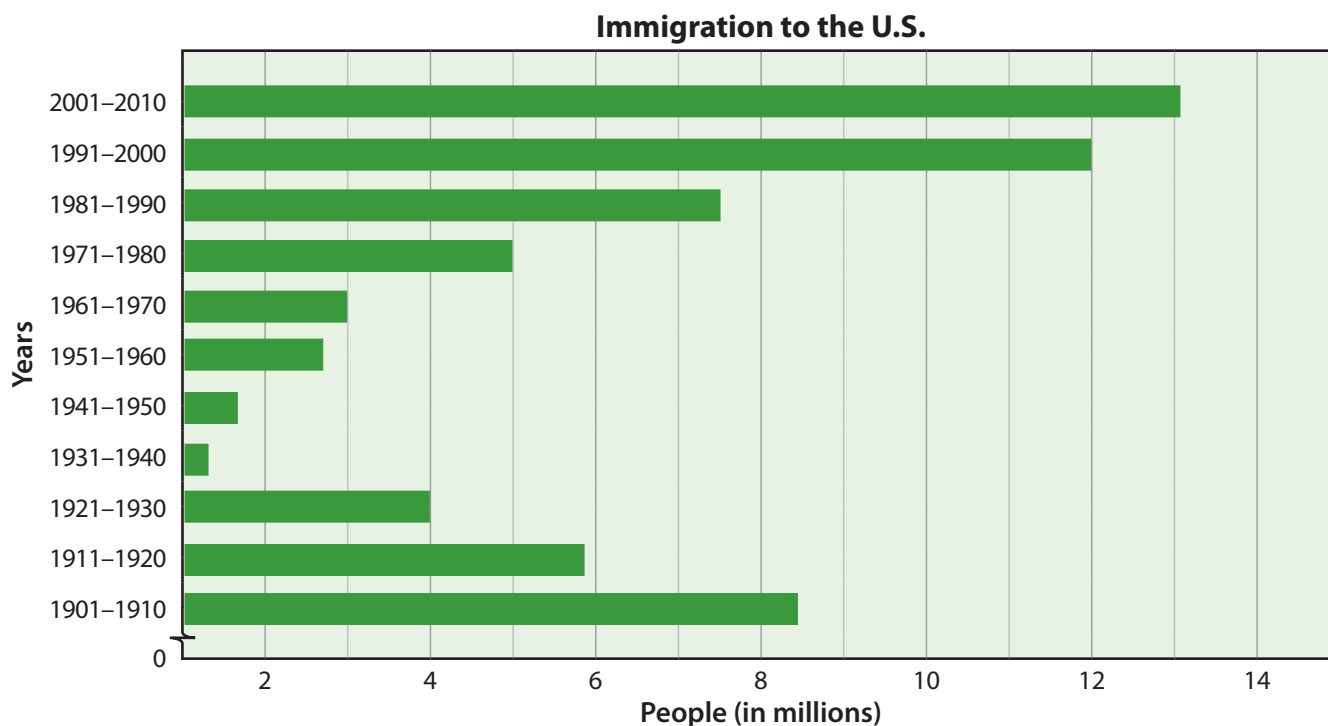


**Tickets Sold for
*Winnie-the-Pooh***



3. Which graph correctly compares the number of tickets sold for each performance?
4. The main floor of the auditorium can seat 1,500 people. The balcony is used when more seats are needed. Which performances would require seating in the balcony?

Use the data from the graph to find the answer.



1. What type of graph is pictured?

2. In what year does the graph begin?

3. Write in word form the number of immigrants that came to the U.S. from 1991 to 2000.

4. In which years did the smallest number of immigrants come to the U.S.?

5. In which years did four million immigrants come to the U.S.?

6. About how many million immigrants came to the U.S. from 2001 to 2010?

Complete the fact.

7. $24 \div 6 = \underline{\hspace{2cm}}$

8. $56 \div 7 = \underline{\hspace{2cm}}$

9. $27 \div 9 = \underline{\hspace{2cm}}$

10. $50 \div 5 = \underline{\hspace{2cm}}$

11. $21 \div 7 = \underline{\hspace{2cm}}$

12. $45 \div 5 = \underline{\hspace{2cm}}$

13. $32 \div 8 = \underline{\hspace{2cm}}$

14. $42 \div 6 = \underline{\hspace{2cm}}$

15. $\begin{array}{r} \square \\ 3 \overline{) 6} \end{array}$

16. $\begin{array}{r} \square \\ \square \overline{) 28} \end{array}$

17. $\begin{array}{r} 9 \\ 4 \overline{) \square} \end{array}$

18. $\begin{array}{r} \square \\ 6 \overline{) 48} \end{array}$

19. $\begin{array}{r} \square \\ \square \overline{) 35} \end{array}$

20. $\begin{array}{r} 2 \\ 9 \overline{) \square} \end{array}$

Write the value of the given digit in **standard form** using **925,018,703,460**.

1. 8 _____

2. 6 _____

3. 4 _____

4. 7 _____

5. 2 _____

6. 9 _____

Write the digit for the given place.

149.735

7. hundredths _____

8. hundreds _____

9. tenths _____

10. tens _____

Write a comparison sentence using **>**, **<**, or **=**.

11. 427 ○ 487

12. 6,906 ○ 6,990

13. 0.2 ○ 0.15

14. 0.45 ○ 0.540

15. 0.75 ○ 0.750

16. 0.999 ○ 1.012

Complete the fact.

17. $63 \div 7 =$ _____

18. $24 \div 8 =$ _____

19. $42 \div 7 =$ _____

20. $18 \div 3 =$ _____

Solve.

1.
$$\begin{array}{r} 7.4 \\ + 2.5 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 8.2 \\ - 3.5 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 62.3 \\ - 19.4 \\ \hline \end{array}$$

4.
$$\begin{array}{r} \$127.39 \\ + \$48.80 \\ \hline \end{array}$$

5. $\$4.50 + \$3.75 = \underline{\hspace{2cm}}$

6. $\$5.00 - \$2.0 = \underline{\hspace{2cm}}$

7. $1.327 + 2.5 = \underline{\hspace{2cm}}$

Write the numbers from *least to greatest*.

8. 17 0.17 0.0017 1.7

9. 64 6.4 0.64 0.006

10. 143.8 14.38 4.389 0.43

11. 8.3275 83,275 832.75 8,327.5

12. 410.298 410,698 420,698 41.0698

13. 52.01 5.201 5,201 520.1

Complete the fact.

14.
$$\begin{array}{r} \square \overline{) 8} \\ \square \overline{) 64} \end{array}$$

15.
$$\begin{array}{r} 9 \overline{) \square} \\ \square \overline{) \square} \end{array}$$

16.
$$\begin{array}{r} \square \overline{) 54} \\ 6 \overline{) 54} \end{array}$$

17.
$$\begin{array}{r} \square \overline{) 6} \\ \square \overline{) 42} \end{array}$$

18.
$$\begin{array}{r} 5 \overline{) \square} \\ 9 \overline{) \square} \end{array}$$

19.
$$\begin{array}{r} \square \overline{) 56} \\ 7 \overline{) 56} \end{array}$$

Write an equation for the part-whole model. Solve.

1.

n			
25	25	25	25

2.

15		
n	5	5

3.

500	
125	n

Round to the greatest place to estimate the sum or difference. Solve.

4. $73,295 + 29,863$

5. $8,732 - 1,953$

6. $25.9 - 14.1$

Solve.

7. $14 + 8 + 6 =$ _____

8. $21 + 9 + 32 =$ _____

9. $18 + 22 + 45 =$ _____

10. $(15 + 5) - 8 =$ _____

11. $(4 + 16) + 105 =$ _____

12. $1.2 + (13 + 7) =$ _____

13.
$$\begin{array}{r} 372,541 \\ + 895,030 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 43,200 \\ - 21,143 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 93,457 \\ + 23,811 \\ \hline \end{array}$$

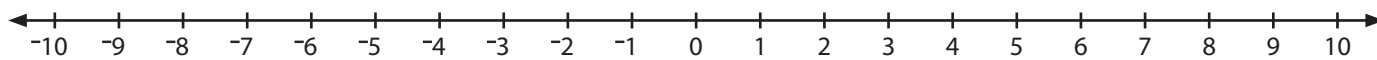
16.
$$\begin{array}{r} 40,032 \\ - 21,450 \\ \hline \end{array}$$

Use an addition property to complete the equation.

17. $(5 + 3) + 2 = 5 + (3 + \text{_____})$

18. $298 = \text{_____} + 298$

19. $457 + 39 = \text{_____} + 457$



Write a comparison sentence using $>$ or $<$.

1. $3 \bigcirc -3$

4. $-2 \bigcirc 1$

2. $-8 \bigcirc 0$

5. $-10 \bigcirc 1$

3. $1 \bigcirc 7$

6. $-8 \bigcirc -10$

Use the number line to find the answer.

7. $-3 + -1 = \underline{\hspace{2cm}}$

10. $10 + -3 = \underline{\hspace{2cm}}$

8. $4 + -7 = \underline{\hspace{2cm}}$

11. $-8 + 9 = \underline{\hspace{2cm}}$

9. $7 + -10 = \underline{\hspace{2cm}}$

12. $3 + 6 = \underline{\hspace{2cm}}$

Write the numbers from *least* to *greatest*.

13.

307.968	370,968	307,931	307,969
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14.

24.79	2.479	247.9	2,479
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Complete the fact.

15.
$$\begin{array}{r} 8 \\ \times \square \\ \hline 64 \end{array}$$

16.
$$\begin{array}{r} \square \\ \times 6 \\ \hline 42 \end{array}$$

17.
$$\begin{array}{r} 5 \\ \times 4 \\ \hline \square \end{array}$$

18.
$$\begin{array}{r} 9 \\ \square \overline{)45} \end{array}$$

19.
$$\begin{array}{r} 8 \\ 4 \overline{) \square} \end{array}$$

20.
$$\begin{array}{r} \square \\ 6 \overline{)30} \end{array}$$

Use the number **281,503,764,900** to find the answer.

1. Name the greatest place.

2. Write the value of the 5 in standard form.

3. Round to the greatest place.

4. What digit is in the Hundred Thousands place?

5. What digit is in the One Billions place?

6. What is the value of 6 in standard form?

Write a comparison sentence using **>** or **<**.

7. 2,473 ○ 2,479

8. 34.95 ○ 3.495

9. 0.34 ○ 0.345

10. 309,276,501 ○ 309,276,510

11. $400,000,000,000 + 10,000,000,000 + 9,000,000,000$ ○ forty-three billion, two hundred five thousand, six hundred twenty-seven

Round to the greatest place.

12. 832,763

13. 491,076,305

14. 75,860

15. 3.9

16. 2.15

17. 0.89

Round the addends to the greatest place to estimate the sum.

1. $27,241,560 + 31,497,301$

2. $89,304 + 120,745$

3. $39.68 + 2.09$

4. $0.94 + 4.5$

Add.

5. $249,683 + 504,391 =$ _____

6. $83.45 + 21.3 =$ _____

7. $\$1.59 + \$4.83 =$ _____

8. $94,371 + 413,820 =$ _____

9. $1.89 + 12.3 =$ _____

10. $\$76.13 + \$123.09 =$ _____

11.
$$\begin{array}{r} 346,143 \\ + 204,129 \\ \hline \end{array}$$

12.
$$\begin{array}{r} \$75.32 \\ + \$25.91 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 2.570 \\ + 1.039 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 1,437 \\ 2,891 \\ + 5,040 \\ \hline \end{array}$$

15. $(3 + 4) + 20 =$ _____

16. $9 + (3 + 7) =$ _____

17. $(8 + 8) + 8 =$ _____

Solve.

1. $341,720 - 190,813 =$ _____

2. $12.09 - 4.2 =$ _____

3. $\$25.00 - \$1.45 =$ _____

4.
$$\begin{array}{r} \$3.45 \\ - \$1.92 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 728,341 \\ - 32,906 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 29,500 \\ - 1,241 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 8,000 \\ - 2,315 \\ \hline \end{array}$$

Solve. Write a related addition equation.

8. $12 - 8 =$ _____

9. $15 - 9 =$ _____

10. $13 - 7 =$ _____

11. $14 - 7 =$ _____

12. $32 - 12 =$ _____

13. $100 - 98 =$ _____

14. $50 - 25 =$ _____

15. $75 - 50 =$ _____

Round the numbers to the greatest place to estimate the difference.

16. $39,407 - 25,394$

17. $\$29.54 - \19.85

Write the value in **standard form**.

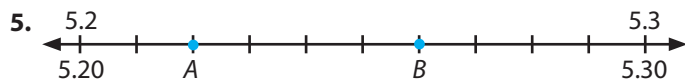
1. $\frac{347}{1,000} =$ _____

2. $7 + 0.3 + 0.9 =$ _____

3. $(3 \times 1) + (2 \times 0.1) + (6 \times 0.01) =$ _____

4. thirty-four hundredths = _____

Write the decimals represented by point *A* and point *B* on the number line.



A: _____ B: _____

Write the value of 7 in **word form**.

6. 734.2 _____

7. 6.07 _____

8. 0.704 _____

9. 8.917 _____

Write the numbers from *least to greatest*.

10.

107.5	1.075	10.75	0.1075
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11.

2.4	2.53	2.45	2.451
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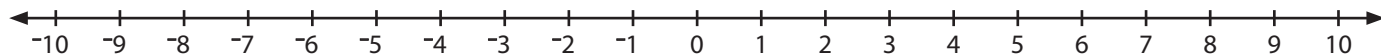
Round to the greatest place.

12. 2.45 _____

13. 3.89 _____

14. 28.01 _____

15. 0.39 _____



Write a comparison sentence using $>$ or $<$.

1. $0 \bigcirc -1$

2. $1 \bigcirc -5$

3. $-3 \bigcirc 3$

4. $7 \bigcirc -10$

Use the number line to find the sum.

5. $-3 + -5 = \underline{\hspace{2cm}}$

6. $4 + -7 = \underline{\hspace{2cm}}$

7. $-8 + 3 = \underline{\hspace{2cm}}$

8. $-8 + -2 = \underline{\hspace{2cm}}$

Draw a number line to show the given number and its opposite.

9. -5

10. 3

11. -4

Solve.

12.
$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

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

15.
$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

17. $9 \times 8 = \underline{\hspace{2cm}}$

18. $7 \times 6 = \underline{\hspace{2cm}}$

19. $6 \times 9 = \underline{\hspace{2cm}}$

20. $8 \times 5 = \underline{\hspace{2cm}}$

Use the data from the stem-and-leaf plot to find the answer.

Mrs. Barbrow's sixth-grade class practiced curl-ups for the Presidential Physical Fitness Test. Mrs. Barbrow recorded the number of curl-ups on a stem-and-leaf plot.

1. According to the key what does $3|5$ represent?

2. What was the range, the difference between the lowest and highest number of curl-ups, that was plotted?

3. How long did each student have to do the curl-ups?

4. Were the most curl-ups recorded in the 30s, 40s, or 50s?

5. What number of curl-ups was recorded by the most students?

6. How many students completed 55 curl-ups?

7. How many students completed only 32 curl-ups?

Number of Curl-ups per Minute	
Stem	Leaf
2	9 9
3	5 6 9 9 9
4	0 1 1 1 2 3 5 5 7 8 8 8 8
5	2 5 5 7
6	0

Key	$3 5 = 35$ curl-ups
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Write a division equation for the phrase. Solve.

1. 35 pages divided among 5 students

2. 20 cookies given to 10 children

3. 32 stickers for 4 girls

Write the quotient.

4. $4 \overline{)20}$

5. $6 \overline{)36}$

6. $9 \overline{)45}$

7. $7 \overline{)49}$

8. $3 \overline{)24}$

9. $\frac{15}{3} = \underline{\hspace{2cm}}$

10. $\frac{18}{9} = \underline{\hspace{2cm}}$

11. $\frac{16}{4} = \underline{\hspace{2cm}}$

12. $\frac{21}{7} = \underline{\hspace{2cm}}$

13. $\frac{18}{2} = \underline{\hspace{2cm}}$

Write a related multiplication equation.

14. $18 \div 6 = 3$

15. $28 \div 4 = 7$

16. $81 \div 9 = 9$

17. $72 \div 8 = 9$

Identify the parts of the multiplication equation: **factor** or **product**.

1. $435 \times \underline{\hspace{2cm}}$

$$\begin{array}{r} 87 \\ \times 5 \\ \hline 435 \end{array}$$

2. $5 \times \underline{\hspace{2cm}}$

3. $87 \times \underline{\hspace{2cm}}$

Use a multiplication property to complete the equation.

4. $86 \times \underline{\hspace{2cm}} = 86$

8. $(6 \times 2) \times 8 = 6 \times (\underline{\hspace{2cm}} \times 8)$

5. $19 \times 3 = 3 \times \underline{\hspace{2cm}}$

9. $47 \times \underline{\hspace{2cm}} = 0$

6. $9 \times (4 \times \underline{\hspace{2cm}}) = (9 \times 4) \times 3$

10. $35 \times \underline{\hspace{2cm}} = 35$

7. $6,754 \times \underline{\hspace{2cm}} = 6,754$

11. $84 \times 13 = \underline{\hspace{2cm}} \times 84$

Solve.

12.
$$\begin{array}{r} 547 \\ \times 315 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 231 \\ \times 103 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 854 \\ \times 671 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 790 \\ \times 436 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 2,543 \\ \times 174 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 984 \\ \times 617 \\ \hline \end{array}$$

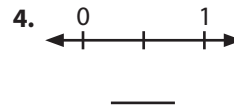
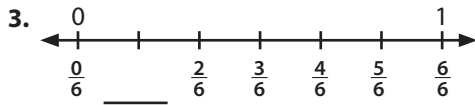
18.
$$\begin{array}{r} 4,328 \\ \times 754 \\ \hline \end{array}$$

Identify the parts of the fraction: **numerator** and **denominator**.

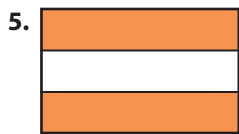
1. 8 _____ $\frac{5}{8}$

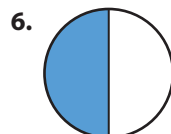
2. 5 _____

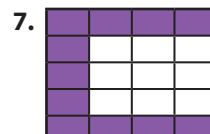
Write the missing fraction on the number line.



Write the fraction for the part that is colored.









Write a comparison sentence using **>**, **<**, or **=**.

9. $\frac{8}{8}$ ○ $\frac{2}{4}$

10. $\frac{2}{3}$ ○ $\frac{1}{4}$

11. $\frac{5}{10}$ ○ $\frac{1}{2}$

12. $\frac{1}{9}$ ○ $\frac{4}{7}$

13. $\frac{3}{12}$ ○ $\frac{1}{4}$

14. $\frac{2}{6}$ ○ $\frac{9}{10}$

15. $\frac{1}{3}$ ○ $\frac{1}{2}$

16. $\frac{7}{9}$ ○ $\frac{1}{4}$

Identify the figure as **line**, **line segment**, or **ray**.





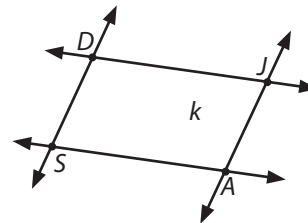


Use plane k to find the answer.

Use symbols to name the lines and line segments.

4. Name 4 points on plane k . _____

5. Name 2 lines on plane k . _____



Write **parallel**, **perpendicular**, or **intersecting** to complete the sentence.

Use the map to find the answer.

6. Carnation and Maple are _____ streets.

7. Dogwood and Oak are _____ streets.

8. Maple and Oak are _____ streets.

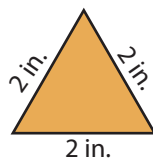
9. Carnation and Primrose are _____ streets.

10. Primrose and Maple are _____ streets.

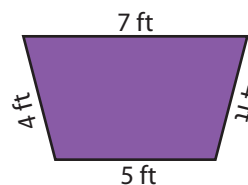


Write an addition equation to find the perimeter of the figure.

1.

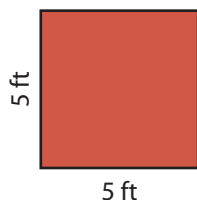


2.

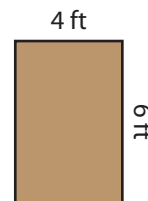


Multiply $length \times width$ to find the area of the figure.
Label the answer as **square feet**.

3.

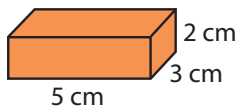


4.



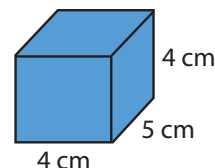
Find the volume of the figure by multiplying $length \times width \times height$.

5.



$$\frac{\quad}{l} \text{ cm} \times \frac{\quad}{w} \text{ cm} \times \frac{\quad}{h} \text{ cm} = \quad \text{cm}^3$$

6.



$$\frac{\quad}{l} \text{ cm} \times \frac{\quad}{w} \text{ cm} \times \frac{\quad}{h} \text{ cm} = \quad \text{cm}^3$$

Write the measurement of the line segment.

1.  _____

2.  _____



Complete the fact.

3. 1 ft = _____ in.

4. 1 yd = _____ in.

5. 1 yd = _____ ft

6. 1 mi = _____ ft

7. 1 mi = _____ yd

Write the equivalent measurement.

4 ft 3 yd 24 in. 72 in.

8. 2 ft = _____

9. 48 in. = _____

10. 9 ft = _____

11. 2 yd = _____

Write the unit of measurement.

4 ft 2 in. 2 in. 26 ft 6 ft

12. the height of a man _____

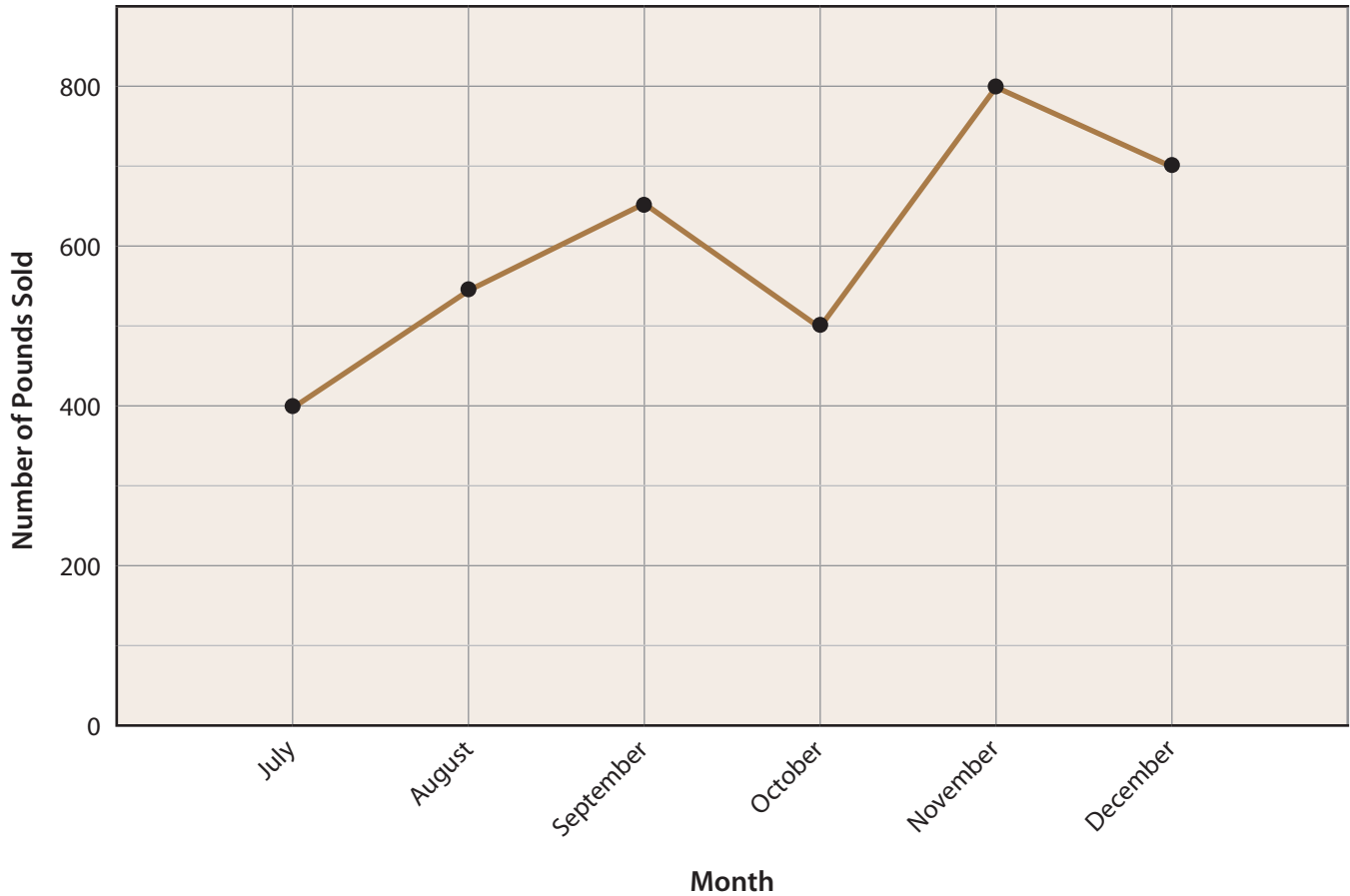
13. the width of a house _____

14. the length of a desk _____

15. the width of a cell phone _____

Use the data from the line graph to answer the question.

Purrfect Pet Food Company Sales Report



1. What data is shown on this graph?

2. Which kind of pet does this company probably make food for?

3. Did sales increase or decrease from September to October?

4. Where is the greatest increase in sales shown?

5. Do sales seem to be generally increasing or decreasing for this company?

6. Which month shows the highest sales?

7. Which month had the lowest sales?

8. What is the range (difference between the greatest and least amount) of sales?

Use the data from the chart to find the answer.

Katy and her cousins are keeping track of the number of pages they read during the library's summer reading contest.

Pages read during the week of 7/14–7/20

Katy—1,400 pages	Lydia—800 pages
Joshua—975 pages	Jonathan—1,005 pages

1. How many more pages did Katy read than Joshua?

2. How many pages did the cousins read altogether?

3. What was the average number of pages read the week of July 14–20?

4. Each book that Lydia read had 200 pages. How many books did she read?

Solve.

Tim, Dave, and John are selling tickets to the school play, *Cheaper by the Dozen*. A student ticket costs \$3.75, and an adult ticket costs \$5.50.

5. John sold 7 adult tickets to his neighbors. How much money should he collect?

6. John's neighbors gave him \$50 for the tickets. How much change should John give back to them?

7. Dave sold 3 student tickets and 2 adult tickets. What is the total cost?

8. Tim sold 8 student tickets and 3 adult tickets. What is the total cost?

Solve.

1. $375 + 14 + 72 + 7 = \underline{\hspace{2cm}}$

2. $9,432 + 108 + 17 + 64 = \underline{\hspace{2cm}}$

3. $3.5 + 0.87 + 21.46 = \underline{\hspace{2cm}}$

4.
$$\begin{array}{r} 6,475 \\ + 1,328 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 768 \\ + 314 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 43.89 \\ + 7.21 \\ \hline \end{array}$$

7.
$$\begin{array}{r} \$84.00 \\ + \$62.58 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 907 \\ - 368 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 453 \\ - 372 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 102 \\ - 84 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 843 \\ - 518 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 75 \\ \times 16 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 843 \\ \times 37 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 6,452 \\ \times 108 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 375 \\ \times 218 \\ \hline \end{array}$$

16. $4 \overline{)184}$

17. $42 \overline{)336}$

18. $60 \overline{)1,200}$

19. $35 \overline{)175}$

Write factor pairs for numbers that are composite.
Write **prime** if there are no other factors.

1.

18

$$1 \times 18$$

2.

27

$$1 \times 27$$

3.

37

$$1 \times 37$$

4.

10

$$1 \times 10$$

Write the expression in **exponent form**. Solve.

5. $3 \times 3 \times 3 \times 3$

6. $7 \times 7 \times 7$

7. $2 \times 2 \times 2 \times 2 \times 2$

8. $4 \times 4 \times 4$

Solve.

9.
$$\begin{array}{r} 375 \\ \times 786 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 135 \\ \times 107 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 451 \\ \times 202 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 784 \\ \times 601 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 422 \\ \times 219 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 507 \\ \times 260 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 946 \\ \times 834 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 5,187 \\ \times 918 \\ \hline \end{array}$$

Write the divisor that the number is divisible by.

1. 375 is divisible by _____.

2 5 10

2. 824 is divisible by _____.

4 6 10

3. 4,512 is divisible by _____.

3 5 9

Use the statement to write an equation. Solve.

Mrs. Elliot has 240 toy coins.

4. Mrs. Elliot used 24 coins to decorate the party invitations. How many coins are left?

5. Mrs. Elliot will divide the remaining coins among 12 party bags. How many coins will each guest receive?

Follow the Order of Operations to solve.

6. $18 - 2 \times 3 + 7 =$ _____

7. $54 \div 6 + 2 - 7 =$ _____

8. $(6 \times 3) + 7 - 5 \times 2 =$ _____

9. $(7 \times 8) - 3^3 + 5 =$ _____

Solve.

10. $16 \overline{)128}$

11. $35 \overline{)7,035}$

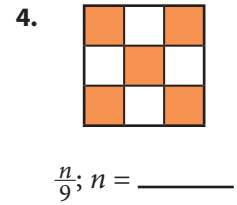
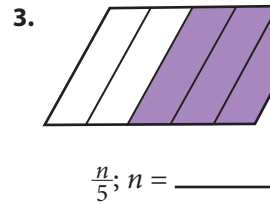
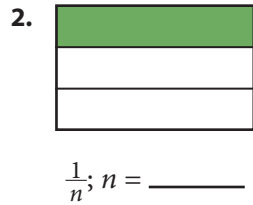
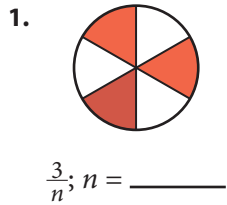
12. $14 \overline{)350}$

13. $55 \overline{)1,045}$

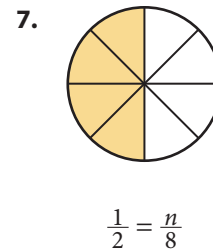
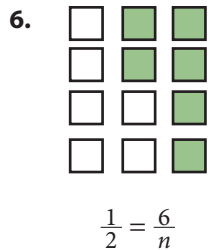
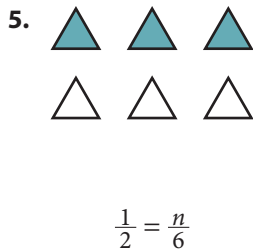
14. $8 \overline{)2,752}$

15. $21 \overline{)1,365}$

Use the picture to write the value of n .



Solve for n .



Draw a picture for the sentence.

8. $\frac{1}{3}$ of the square is blue.

9. $\frac{4}{9}$ of the triangles are red.

10. $\frac{3}{4}$ of the circle is orange.

Write a comparison sentence using $>$, $<$, or $=$.

11. $\frac{4}{8} \bigcirc \frac{6}{7}$

12. $\frac{3}{4} \bigcirc \frac{2}{10}$

13. $\frac{3}{6} \bigcirc \frac{5}{10}$

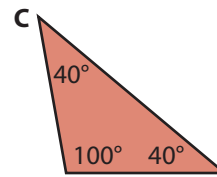
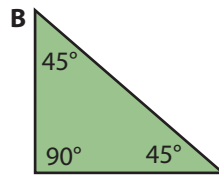
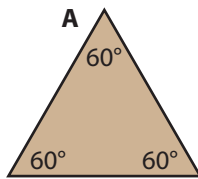
14. $\frac{1}{9} \bigcirc \frac{1}{2}$

15. $\frac{7}{8} \bigcirc \frac{7}{10}$

16. $\frac{6}{12} \bigcirc \frac{2}{4}$

Write the letter of the triangle that is the right triangle.

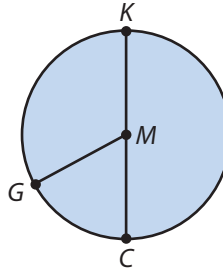
1. _____



Use the line segment symbol to write the answer.

2. One radius of circle M is _____.

3. The diameter of circle M is _____.



Write the name of the shape.

hexagon octagon pentagon quadrilateral triangle

4.



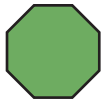
5.



6.



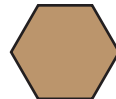
7.



8.



9.



Write the number to match the expression.

678,451,932 768,329,154 392,415,786 347,918,256

1. value of 8 is 8,000

2. 392 millions, 415 thousands, 786 ones

3. six hundred seventy-eight million, four hundred fifty-one thousand, nine hundred thirty-two

4. $700,000,000 + 60,000,000 + 8,000,000 + 300,000 + 20,000 + 9,000 + 100 + 50 + 4$

Write the number to match the statement.

5. One of the Northwest Brook Falls in New York is 8 feet high. _____

-8 5 -5 8

6. The shark swam lazily in circles about 5 feet below the surface. _____

7. Dad was 5 strokes over par during his golf game. _____

8. New Orleans, Louisiana, is 8 feet below sea level. _____

Choose the answer.

9. What is true about the set of numbers 1, 3, 15, and 45?

Only 3 is a prime number.

All are factors of 45.

Both 15 and 45 are composite numbers.

All of the above are true.

10. Which is not a name for 302?

$300 + 2$

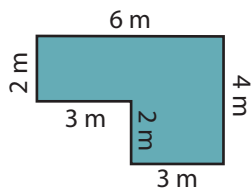
$3,000 + 2$

three hundred two

three hundreds, zero tens, two ones

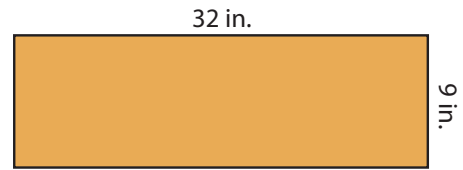
Identify the equation as the **area** or the **perimeter** of the shape. Solve.

1.



$$2\text{ m} + 6\text{ m} + 4\text{ m} + 3\text{ m} + 2\text{ m} + 3\text{ m} = \underline{\hspace{2cm}}\text{ m}$$

2.



$$9\text{ in.} \times 32\text{ in.} = \underline{\hspace{2cm}}\text{ in.}^2$$

Solve.

3. $32 \overline{)384}$

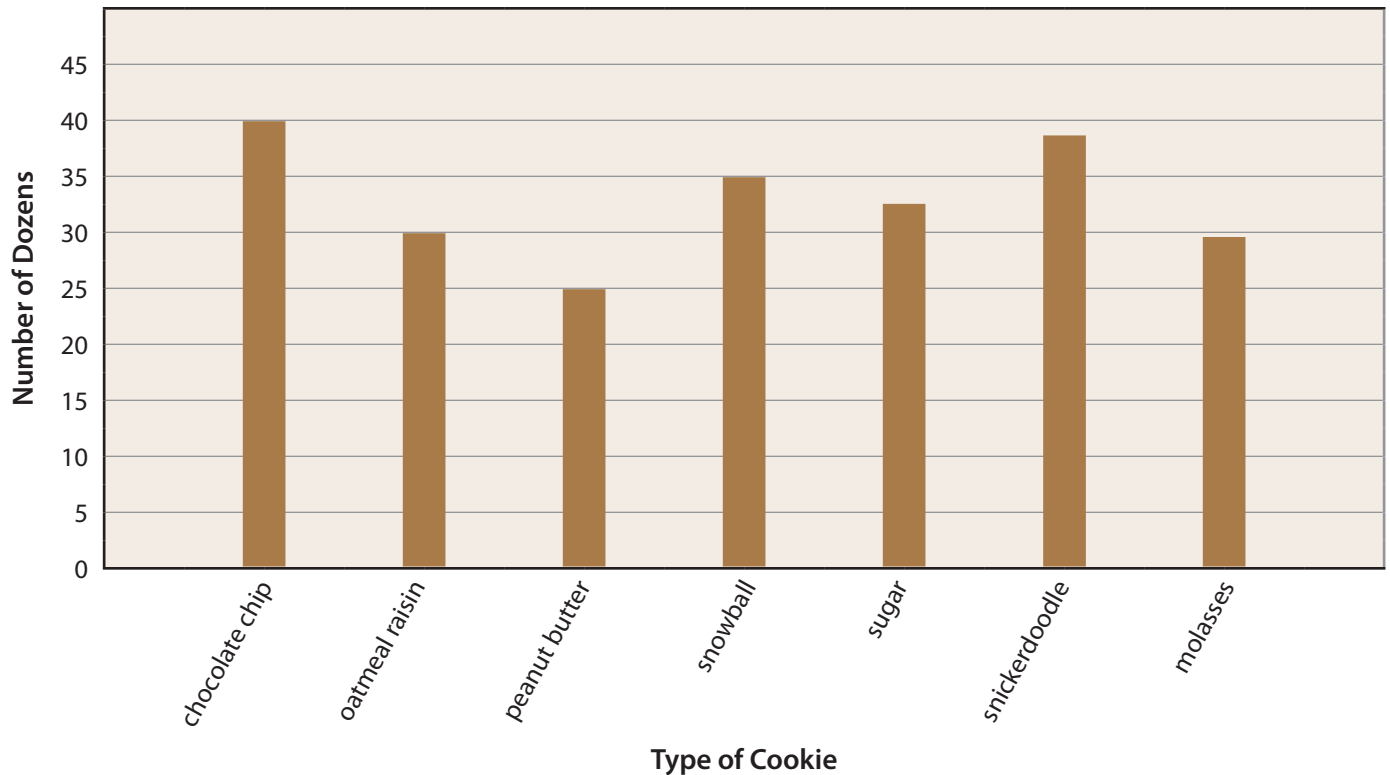
4. $25 \overline{)500}$

5. $4 \overline{)636}$

6. $85 \overline{)7,055}$

Use the data from the bar graph to find the answer.

Snow Bakery Cookie Sales



1. Emily recorded how many cookies her bakery sold last month. Which type of cookie sold most?

2. Which types of cookies sold more than 35 dozen?

3. Write an equation that tells how many individual peanut butter cookies were sold.

4. How many dozen more snowball cookies were sold than peanut butter cookies?

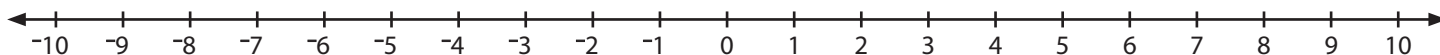
5. Which type of cookie had 29 dozen sales?

6. How many dozen sugar cookies were sold?

7. Which sold more, the oatmeal raisin cookies or the molasses cookies?

8. If 229 dozen cookies were sold, how many individual cookies were sold altogether?

Use the number line to solve.



1. $7 + ^{-}7 =$ _____

4. $^{-}6 + ^{-}2 =$ _____

7. $^{-}2 + 9 =$ _____

2. $1 + ^{-}3 =$ _____

5. $^{-}6 + ^{-}4 =$ _____

8. $7 + ^{-}2 =$ _____

3. $4 + ^{-}7 =$ _____

6. $8 + ^{-}3 =$ _____

9. $10 + ^{-}3 =$ _____

Follow the Order of Operations to solve.

10. $24 \div 6 + 2 - 1 =$ _____

13. $5 + 10 \times 12 =$ _____

16. $6 \times (5 + 3) =$ _____

11. $(25 + 5) \div 6 - 2 =$ _____

14. $8 + 3 + 5^2 =$ _____

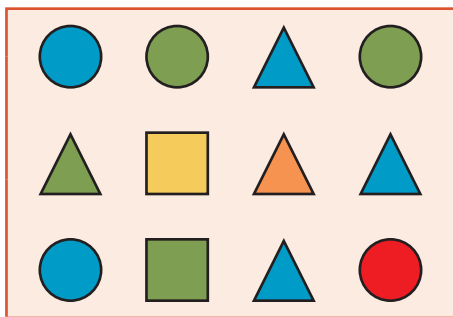
17. $48 \div (4 + 6 - 2) =$ _____

12. $(6 - 3)^2 \times 7 =$ _____

15. $(5 - 3)^4 \div 4 =$ _____

18. $(25 - 15) \times 7 =$ _____

Write a fraction to answer the question.

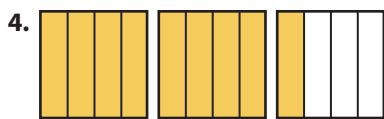


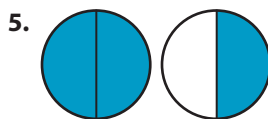
1. What part of the set is triangles? _____

2. What part of the set is circles? _____

3. What part of the set is yellow? _____

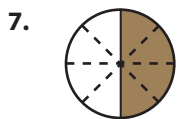
Write the improper fraction for the picture.





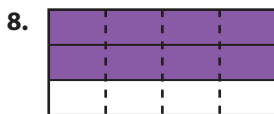


Use the picture to find the value for n .



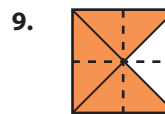
$$\frac{1}{2} = \frac{n}{8}$$

$n =$ _____



$$\frac{2}{3} = \frac{n}{12}$$

$n =$ _____



$$\frac{3}{4} = \frac{6}{n}$$

$n =$ _____

Rename the mixed number as an improper fraction.

Rename the improper fraction as a mixed number.

10. $3\frac{1}{4} =$ _____

11. $\frac{17}{8} =$ _____

12. $6\frac{4}{9} =$ _____

13. $\frac{22}{4} =$ _____

Write the fraction in lowest terms. Identify the GCF.

14. $\frac{18}{60} =$ _____

GCF = _____

15. $\frac{48}{56} =$ _____

GCF = _____

16. $\frac{6}{12} =$ _____

GCF = _____

17. $\frac{12}{16} =$ _____

GCF = _____

Follow the Order of Operations to solve.

1. $(6 + 4) \times 5 - 3 =$ _____

2. $(65 - 5) \div 5 + 4 =$ _____

3. $64 \div (4 \times 2) =$ _____

4. $6 \times 3 + 9 =$ _____

Solve.

5.
$$\begin{array}{r} 7,432 \\ + 379 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 1,492 \\ + 1,074 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 75,612 \\ + 4,987 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 654,312 \\ + 579,488 \\ \hline \end{array}$$

9.
$$\begin{array}{r} \$54.17 \\ - \$ 6.75 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 674 \\ - 329 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 9,114 \\ - 7,857 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 45 \\ - 16 \\ \hline \end{array}$$

13. $17 \cdot 8 =$ _____

17. $120 \div 6 =$ _____

14. $65 \times 32 =$ _____

18. $1,300 \div 20 =$ _____

15. $6,924 \times 375 =$ _____

19. $425 \div 17 =$ _____

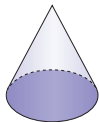
16. $391 \times 25 =$ _____

20. $5,748 \div 12 =$ _____

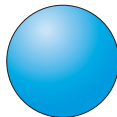
Name the shape.

cone cylinder cube sphere

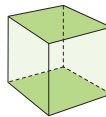
1.



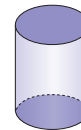
2.



3.



4.



Use the figures above to complete the sentence.

5. A _____ has a curved surface and 2 circular bases.

6. A _____ has 6 identical faces.

7. A _____ has a vertex, one circular face, and a curved surface.

8. A _____ has no faces, no edges, and no vertices.

Solve.

$$\begin{array}{r} 9. \quad 67 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 5,134 \\ \times 375 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 9,421 \\ \times 77 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 16,425 \\ \times 812 \\ \hline \end{array}$$

13. $4,064 \div 16 =$ _____

14. $31,378 \div 541 =$ _____

15. $44,856 \div 712 =$ _____

16. $20,139 \div 21 =$ _____

Write the value of the 7.

1. 34.72 _____

2. 196.347 _____

3. 73.985 _____

Solve.

4.
$$\begin{array}{r} \$16.84 \\ + \$12.75 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 9.6 \\ + 8.4 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 57.14 \\ + 31.98 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 16.354 \\ + 2.039 \\ \hline \end{array}$$

5.
$$\begin{array}{r} \$20.00 \\ - \$17.74 \\ \hline \end{array}$$

9.
$$\begin{array}{r} \$35.00 \\ - \$32.98 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 16.359 \\ - 5.142 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 2.82 \\ - 1.59 \\ \hline \end{array}$$

6.
$$\begin{array}{r} \$42.16 \\ \times 12 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 16.8 \\ \times 3 \\ \hline \end{array}$$

14.
$$\begin{array}{r} \$5.50 \\ \times 14 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 4.009 \\ \times 27 \\ \hline \end{array}$$

7. $3 \overline{) \$67.38}$

11. $3 \overline{) 9.078}$

15. $8 \overline{) \$107.92}$

19. $5 \overline{) 5.035}$

Measure the length of the pencil in inches.



Complete the fact.

2. 1 ft = _____ in.

3. 1 pt = _____ c

4. 1 lb = _____ oz

1 yd = _____ in.

1 gal = _____ qt

1 tn = _____ lb

1 mi = _____ ft

Write the best unit of measurement.

5. the length of a nail _____

6. the distance across a room _____

7. the width of Texas _____

8. milk to drink with lunch _____

9. an elephant's weight _____

10. a bag of jellybeans _____

cups

feet

inches

miles

ounces

tons

Rename the unit of measurement.

11. 6 ft = _____ yd

12. 4 pt = _____ gal

13. 32 oz = _____ lb

Follow the Order of Operations to solve.

1. $5 \times 2^3 =$ _____ 2. $(7 + 4) \times 3 - 8 =$ _____ 3. $(24 - 8) \times 2 \div 4 =$ _____ 4. $8 - 2 + 5^2 =$ _____

Use the Associative Property and the Commutative Property to solve.

5. $4 + 7 + 2 + 6 =$ _____ 6. $8 + 9 + 7 + 1 =$ _____ 7. $3 + 4 + 12 + 7 =$ _____

Use the Distributive Property to solve.

8. $8 \times 12 =$ _____

9. $9 \times 12 =$ _____

10. 4×14 _____

Write an equation for the part-whole model. Solve.

11.

n	
754	916

12.

\$500.00	
\$250.00	n

Write a fraction to show the probability.

Jamie has a bag of 18 jellybeans. Six jellybeans are purple. She also has 3 green, 7 black, and 2 pink jellybeans.

13. What is the probability that Jamie will pull a pink jellybean out of the bag? _____
14. What is the probability that she will pull out a purple jellybean? _____
15. What is the probability that she will pull out a green one? _____

Solve.

$$\begin{array}{r} 1. \quad 1,247 \\ \quad 3,809 \\ + 5,921 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad \$52.00 \\ \quad - \$39.84 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 249,731 \\ \quad + 860,572 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 70,000 \\ \quad - 14,975 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 243 \\ \times 150 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \$30.75 \\ \times \quad 24 \\ \hline \end{array}$$

$$7. \quad 24 \overline{)8,424}$$

$$8. \quad 121 \overline{)42,592}$$

$$9. \quad 16 - (4 \times 3) \div 2 = \underline{\hspace{2cm}}$$

$$10. \quad 7 + (5 \times 3) + 2^3 = \underline{\hspace{2cm}}$$

$$11. \quad 8 \times 3 - (6 \div 3) = \underline{\hspace{2cm}}$$

$$12. \quad 4 + 15 \div 5 - 2 = \underline{\hspace{2cm}}$$

Car Wash

Trucks	\$8.00
Vans	\$5.00
Cars	\$7.00

The sixth-grade class had a car wash to raise money to help a needy family. They spent \$28.79 on washing supplies. The students washed 20 trucks, 34 vans, and 19 cars. Many folks gave the family donations, which amounted to \$59.

13. What was the total amount of money taken in by the students?

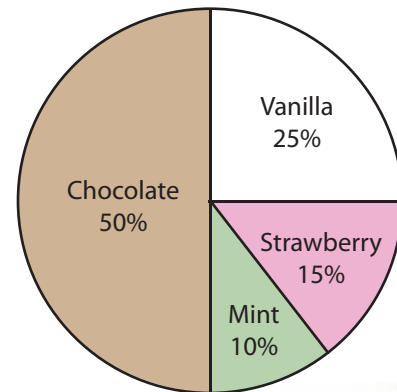
14. What amount of money was left after the cost of the supplies was subtracted?

Use the data from the circle graph to find the answer.

Mr. Sanford took a survey of 100 people to find the most popular ice-cream flavors. He put the results in a circle graph.

1. What fraction of the people chose chocolate? _____
2. What fraction of the people chose vanilla? _____
3. What fraction of the people chose strawberry and mint? _____
4. Does the circle graph compare continuous data or parts of a whole?

Popular Ice-Cream Flavors



Write the answer.

1.

Is 631 between 0 and 600
or between 600 and 1,000?

2.

Is 1,143 between 500 and
1,000 or between 1,000
and 1,500?

3.

Is 291,476 between 290,000
and 390,000 or between
390,000 and 490,000?

Use the numbers in the box to write the answer.

4. List the odd numbers.

8. Write the sum of 4 and 7.

3	2	-6	0	9
11	4	7	8	12

5. List the even numbers.

9. Write a negative number.

6. List the prime numbers.

10. Write the opposite of -3.

7. Write the product of 3 and 4.

11. Write the numbers from *least* to *greatest*.

Round the number to the greatest place.

12. 468 _____

13. 1.9 _____

14. 82.75 _____

15. 184,320 _____

Solve.

16.
$$\begin{array}{r} 3,746 \\ \times 25 \\ \hline \end{array}$$

17.
$$\begin{array}{r} \$18.75 \\ \times 40 \\ \hline \end{array}$$

18. $7,280 \div 20 =$ _____

19. $41,652 \div 18 =$ _____

Write the equivalent unit of time.

1. 1 day = _____ hours

2. 1 year = _____ days

3. 1 month = _____ days

4. 1 minute = _____ seconds

5. 1 week = _____ days

6. 1 year = _____ weeks

Use the calendar to answer the questions.

April						
S	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

7. On what day of the week is April 30th? _____
8. What is the date of the second Sunday? _____
9. What does *Th* mean? _____
10. Is April the second month or the fourth month of the year? _____

Write the equivalent unit of measurement.

11. 1 pound = _____ ounces

12. 1 ton = _____ pounds

13. 1 gallon = _____ quarts

14. 1 cup = _____ ounces

15. 1 quart = _____ pints

16. 1 pint = _____ cups

Complete the table.

17.

pounds	2		5	
ounces	32	48		160

18.

gallons	3		7	10
quarts	12	20		

Add or subtract. Write the answer in lowest terms.

1. $\frac{1}{9} + \frac{3}{9} =$ _____

2. $\frac{2}{3} + \frac{2}{3} =$ _____

3. $\frac{4}{5} + \frac{1}{5} =$ _____

4. $\frac{1}{2} + \frac{1}{2} =$ _____

5. $\frac{4}{5} - \frac{1}{5} =$ _____

6. $\frac{6}{9} - \frac{3}{9} =$ _____

7. $\frac{2}{3} - \frac{1}{3} =$ _____

8. $\frac{4}{8} - \frac{3}{8} =$ _____

9.
$$\begin{array}{r} 2\frac{1}{5} \\ + 1\frac{2}{5} \\ \hline \end{array}$$

10.
$$\begin{array}{r} 3\frac{6}{7} \\ + 1\frac{1}{7} \\ \hline \end{array}$$

11.
$$\begin{array}{r} 5\frac{2}{3} \\ - 2\frac{1}{6} \\ \hline \end{array}$$

12.
$$\begin{array}{r} 6 \\ - 3\frac{1}{4} \\ \hline \end{array}$$

13.
$$\begin{array}{r} \frac{2}{3} \\ + \frac{1}{6} \\ \hline \end{array}$$

14.
$$\begin{array}{r} \frac{3}{4} \\ - \frac{1}{2} \\ \hline \end{array}$$

15.
$$\begin{array}{r} 7\frac{1}{3} \\ - 2\frac{1}{6} \\ \hline \end{array}$$

16.
$$\begin{array}{r} 4\frac{4}{9} \\ + 2\frac{1}{3} \\ \hline \end{array}$$

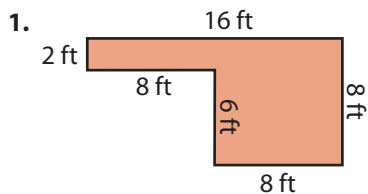
17.
$$\begin{array}{r} \frac{2}{3} \\ + \frac{1}{2} \\ \hline \end{array}$$

18.
$$\begin{array}{r} \frac{3}{4} \\ - \frac{1}{3} \\ \hline \end{array}$$

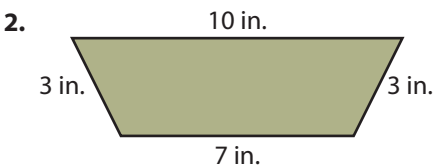
19.
$$\begin{array}{r} 3\frac{1}{2} \\ + 1\frac{3}{5} \\ \hline \end{array}$$

20.
$$\begin{array}{r} 8\frac{1}{2} \\ - 3\frac{1}{5} \\ \hline \end{array}$$

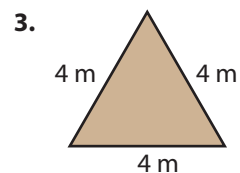
Find the perimeter of the figure.



$P = \underline{\hspace{2cm}}$

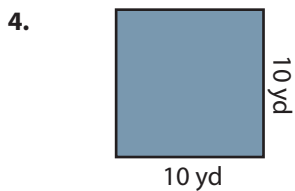


$P = \underline{\hspace{2cm}}$

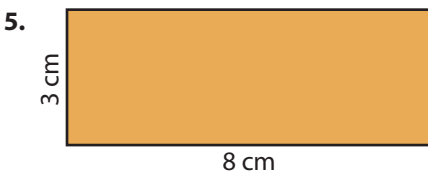


$P = \underline{\hspace{2cm}}$

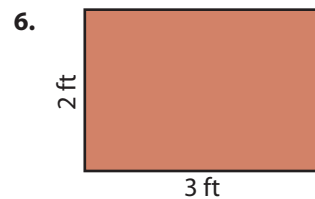
Write a multiplication equation to find the area of the figure.



$A = \underline{\hspace{2cm}} \text{ yd}^2$

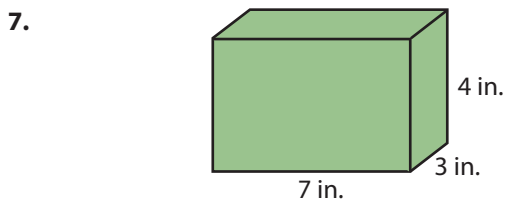


$A = \underline{\hspace{2cm}} \text{ cm}^2$

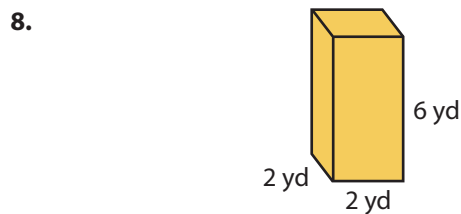


$A = \underline{\hspace{2cm}} \text{ ft}^2$

Find the volume of the figure.

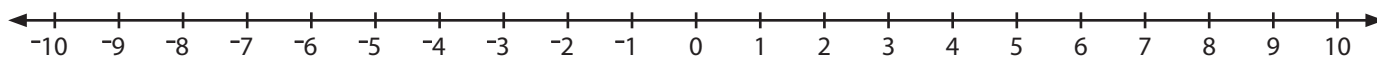


$\underline{\hspace{1cm}} \text{ in.} \times \underline{\hspace{1cm}} \text{ in.} \times \underline{\hspace{1cm}} \text{ in.} = \underline{\hspace{2cm}} \text{ in.}^3$
 $\quad \quad \quad l \quad \quad \quad w \quad \quad \quad h$



$\underline{\hspace{1cm}} \text{ yd} \times \underline{\hspace{1cm}} \text{ yd} \times \underline{\hspace{1cm}} \text{ yd} = \underline{\hspace{2cm}} \text{ yd}^3$
 $\quad \quad \quad l \quad \quad \quad w \quad \quad \quad h$

Use the number line to solve.



1. $3 + ^{-}5 =$ _____ 2. $^{-}4 + ^{-}4 =$ _____ 3. $^{-}6 + 4 =$ _____ 4. $^{-}7 + 7 =$ _____ 5. $^{-}4 + 0 =$ _____

Solve. Write the answer in lowest terms.

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

7. $\frac{5}{8} - \frac{2}{8} =$ _____

8. $\frac{2}{3} + \frac{1}{3} =$ _____

9. $\frac{5}{6} - \frac{1}{2} =$ _____

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

11.
$$\begin{array}{r} 2\frac{1}{5} \\ - 1\frac{1}{2} \\ \hline \end{array}$$

12.
$$\begin{array}{r} 7\frac{5}{6} \\ - 4\frac{1}{3} \\ \hline \end{array}$$

13.
$$\begin{array}{r} 3 \\ - 2\frac{3}{4} \\ \hline \end{array}$$

14.
$$\begin{array}{r} 4\frac{1}{3} \\ - 1\frac{2}{3} \\ \hline \end{array}$$

15.
$$\begin{array}{r} 6\frac{3}{8} \\ - 4\frac{1}{2} \\ \hline \end{array}$$

Write the product or the quotient.

16.
$$\begin{array}{r} \$4.58 \\ \times 5 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 21.9 \\ \times 31 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 1,568 \\ \times 42 \\ \hline \end{array}$$

19. $9,476 \div 23 =$ _____

20. $21,702 \div 35 =$ _____

Determine whether the fraction is closest to 0, $\frac{1}{2}$, or 1.

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

2. $\frac{3}{6}$ _____

3. $\frac{10}{12}$ _____

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

5. $\frac{2}{12}$ _____

6. $\frac{7}{12}$ _____

Write a comparison sentence using $>$, $<$, or $=$.

7. $\frac{3}{4}$ \bigcirc $\frac{5}{6}$

8. $\frac{1}{3}$ \bigcirc $\frac{1}{10}$

9. $\frac{1}{2}$ \bigcirc $\frac{4}{8}$

10. $\frac{10}{15}$ \bigcirc $\frac{9}{10}$

Solve. Write the answer in lowest terms.

11.
$$\begin{array}{r} 5\frac{3}{4} \\ + 7\frac{2}{8} \\ \hline \end{array}$$

12.
$$\begin{array}{r} 4\frac{1}{5} \\ + 8\frac{3}{5} \\ \hline \end{array}$$

13.
$$\begin{array}{r} 1\frac{3}{4} \\ + 2\frac{1}{2} \\ \hline \end{array}$$

14.
$$\begin{array}{r} 6\frac{1}{5} \\ + 4\frac{1}{2} \\ \hline \end{array}$$

15.
$$\begin{array}{r} 7\frac{2}{3} \\ + 5\frac{1}{6} \\ \hline \end{array}$$

16.
$$\begin{array}{r} 3\frac{1}{2} \\ - \frac{1}{4} \\ \hline \end{array}$$

17.
$$\begin{array}{r} 7 \\ - 4\frac{3}{4} \\ \hline \end{array}$$

18.
$$\begin{array}{r} 6\frac{4}{5} \\ - 2\frac{2}{3} \\ \hline \end{array}$$

19.
$$\begin{array}{r} 9\frac{1}{6} \\ - 3\frac{2}{6} \\ \hline \end{array}$$

20.
$$\begin{array}{r} 8\frac{1}{3} \\ - 5\frac{1}{6} \\ \hline \end{array}$$

Solve.

$$\begin{array}{r} 1. \quad \$147.53 \\ + \$289.49 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 27.983 \\ - 19.345 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 24.50 \\ 193.47 \\ + 82.09 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 5.039 \\ - 0.928 \\ \hline \end{array}$$

$$5. \quad 2.014 \times 5 = \underline{\hspace{2cm}}$$

$$6. \quad 81.53 \times 2 = \underline{\hspace{2cm}}$$

$$7. \quad 18.54 \div 3 = \underline{\hspace{2cm}}$$

$$8. \quad 4.624 \div 2 = \underline{\hspace{2cm}}$$

$$9. \quad 2.4 + 0.7 + 3.9 = \underline{\hspace{2cm}}$$

$$10. \quad 12.8 + 1.09 + 0.321 = \underline{\hspace{2cm}}$$

$$11. \quad 85.913 - 7.41 = \underline{\hspace{2cm}}$$

$$12. \quad 3 - 2.5 = \underline{\hspace{2cm}}$$

13. Anna bought three shirts on sale for \$7.89 each. The original cost of each shirt was \$12.00. How much did Anna spend on the three shirts? How much money did she save?

14. Tyler needed 4 sections of tubing, each measuring 1.8 inches. The tube that he bought was 1 foot long. What was the total amount of tubing that he needed? How much was left over?

Use the data to answer the questions.

Jona wants to make an A in math. He recorded his grades on a chart. The range for an A is 90 to 100.

Week	1	2	3	4	5	6	7	8	9
Score	85	94	92	98	89				

1. What is Jona's average at Week 5? Is Jona's average in the A range?

3. List the scores from *least* to *greatest*. Circle the middle score to find the median.

2. What are Jona's lowest and highest scores? What is the difference between Jona's lowest score and his highest score?

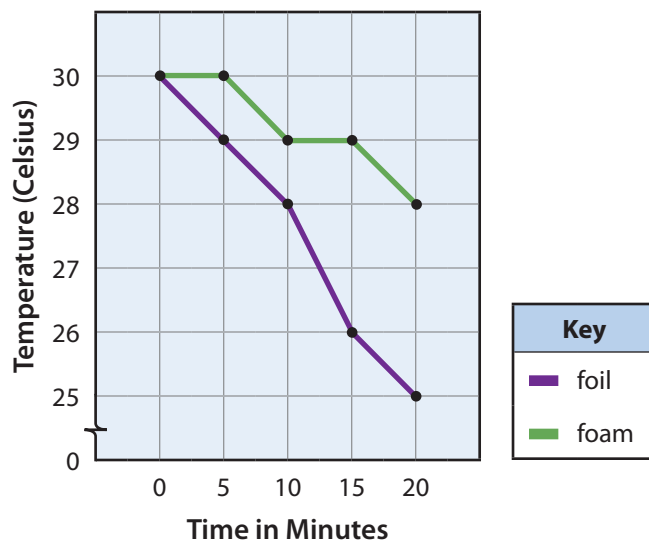
Aaron wanted to find out what material was the best insulator of hot water. He wrapped 2 plastic cups with different insulating materials and filled them with water. Then he measured the temperature of the water at different times. He recorded the results on a line graph.

4. According to the line graph, which material keeps the water hotter longer?

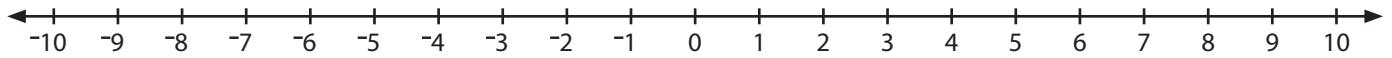
5. What is the title of the graph?

6. What are the labels on the graph?

Best Insulator



Use the number line to find the answer.



1. $-3 + -2 =$ _____

2. $-5 + 2 =$ _____

3. $-3 + 0 =$ _____

4. $1 + -3 =$ _____

5. $0 + -8 =$ _____

6. $-4 + -5 =$ _____

7. $-1 + -7 =$ _____

8. $4 + -7 =$ _____

Write the numbers from *least to greatest*.

9.

2	-3	1	0
---	----	---	---

10.

-7	8	0	-5
----	---	---	----

11.

4	3	-4	2
---	---	----	---

12.

6	5	-9	-10
---	---	----	-----

Write a positive or negative number to match the phrase.

13. three degrees below zero _____

17. negative eight _____

14. earned ten points _____

18. seven degrees above zero _____

15. lost five pounds _____

19. the temperature rose four degrees _____

16. behind six points _____

20. ten feet below sea level _____

Solve.

1. $7 + \underline{\hspace{2cm}} = 11$

6. $4 + \underline{\hspace{2cm}} = 13$

11. $\underline{\hspace{2cm}} + 9 = 16$

16. $\underline{\hspace{2cm}} + 8 = 14$

2. $5 + 9 = \underline{\hspace{2cm}}$

7. $10 - 8 = \underline{\hspace{2cm}}$

12. $17 - 8 = \underline{\hspace{2cm}}$

17. $13 - 7 = \underline{\hspace{2cm}}$

3. $16 - \underline{\hspace{2cm}} = 8$

8. $15 - \underline{\hspace{2cm}} = 6$

13. $12 \times 6 = \underline{\hspace{2cm}}$

18. $6 \times 8 = \underline{\hspace{2cm}}$

4. $4 \times 6 = \underline{\hspace{2cm}}$

9. $3 \times \underline{\hspace{2cm}} = 21$

14. $2 \times 7 = \underline{\hspace{2cm}}$

19. $32 \div 4 = \underline{\hspace{2cm}}$

5. $36 \div 6 = \underline{\hspace{2cm}}$

10. $48 \div 8 = \underline{\hspace{2cm}}$

15. $108 \div 9 = \underline{\hspace{2cm}}$

20. $81 \div 9 = \underline{\hspace{2cm}}$

Complete the table.

21.

$\times 7$	
Input	Output
20	
80	
400	
600	
5,000	

22.

$+ 8$	
Input	Output
40	
90	
700	
1,000	
6,000	

23.

$- 6$	
Input	Output
30	
70	
300	
700	
9,000	

24.

$\div 3$	
Input	Output
60	
90	
300	
2,100	
3,600	

Write the factors from *least* to *greatest* for each number pair. Circle the GCF.

1. 16, 24

2. 12, 36

3. 8, 10

Write the LCM for each number pair.

4. 6, 8 _____

5. 3, 4 _____

6. 9, 5 _____

Rename the fraction to its lowest terms. Rename an improper fraction as a mixed number.

7. $\frac{24}{36} =$ _____

8. $\frac{16}{14} =$ _____

9. $\frac{36}{45} =$ _____

10. $\frac{6}{12} =$ _____

11. $\frac{28}{16} =$ _____

12. $\frac{9}{6} =$ _____

Solve. Write the answer in lowest terms.

13. $\frac{2}{8} + \frac{1}{4} =$ _____

14. $\frac{3}{7} + \frac{5}{8} =$ _____

15. $\frac{7}{9} - \frac{5}{9} =$ _____

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

Answer the questions.

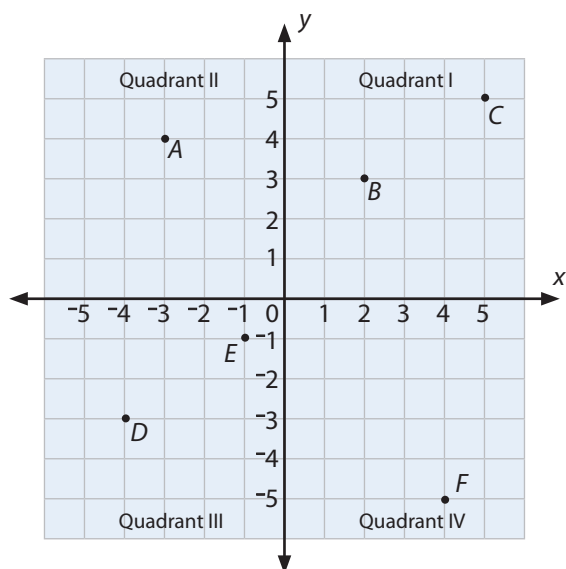
After the museum tour, Mrs. Jay's sixth graders could visit whichever exhibits they were most interested in. $\frac{3}{20}$ of the students went to the train history exhibit. $\frac{1}{4}$ of them went to the weapons hall. $\frac{3}{10}$ of them went to see the habitats section, $\frac{1}{5}$ went to the art gallery, and $\frac{1}{10}$ went to the dinosaur exhibit.

17. How many students were in the museum?

18. Which exhibit did the most students go to see?

19. Did more students go to the art gallery or the train history exhibit?

20. Which exhibit did 5 of the students go to see?



Name the quadrant in which the point is located.

1. A _____ 4. B _____

2. C _____ 5. D _____

3. E _____ 6. F _____

Write the coordinates for the point.

7. A _____ 10. B _____

8. C _____ 11. D _____

9. E _____ 12. F _____

Solve.

13.
$$\begin{array}{r} 165 \\ \times 46 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 786 \\ \times 451 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 953 \\ \times 412 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 1,795 \\ \times 302 \\ \hline \end{array}$$

17.
$$21 \overline{)336}$$

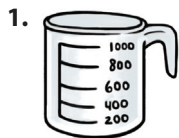
18.
$$43 \overline{)516}$$

19.
$$17 \overline{)553}$$

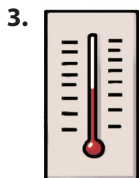
20.
$$94 \overline{)1,598}$$

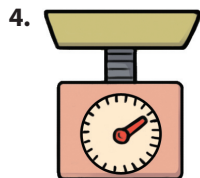
Write the best unit of measure for the object.

°C cm g mL









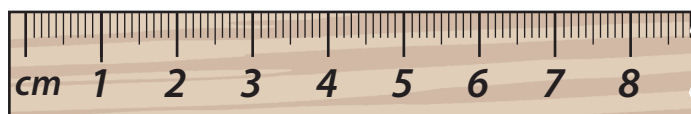
Write the best measure for the object.

1 g 2 L 1 m

5. baseball bat

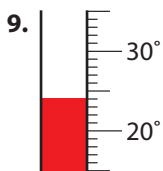
6. paper clip

Write the measurement of the line.

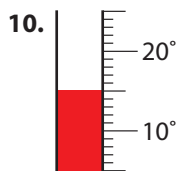


7. black line: _____ cm 8. gray line: _____ cm

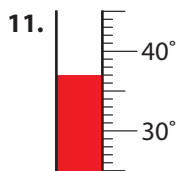
Write the Celsius temperature.



_____ °C



_____ °C



_____ °C

Solve.

12.
$$\begin{array}{r} 400 \text{ g} \\ - 200 \text{ g} \\ \hline \end{array}$$

13.
$$\begin{array}{r} 97 \text{ cm} \\ - 15 \text{ cm} \\ \hline \end{array}$$

14.
$$\begin{array}{r} 543 \text{ m} \\ - 232 \text{ m} \\ \hline \end{array}$$

15.
$$\begin{array}{r} 184 \text{ cm} \\ + 712 \text{ cm} \\ \hline \end{array}$$

16.
$$\begin{array}{r} 3241 \text{ m} \\ + 1536 \text{ m} \\ \hline \end{array}$$

17.
$$\begin{array}{r} 543 \text{ g} \\ + 326 \text{ g} \\ \hline \end{array}$$

Use the numbers in the box to answer the question.

Jeremy and Holly counted the pets that live in their neighborhood. They found 8 dogs, 9 cats, 7 goldfish, 2 birds, and 4 rabbits being kept as pets.

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

8:9

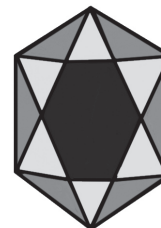
30 to 7

30

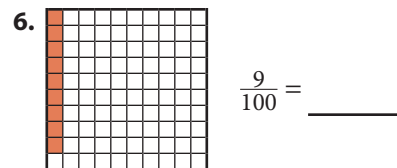
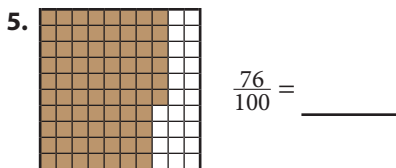
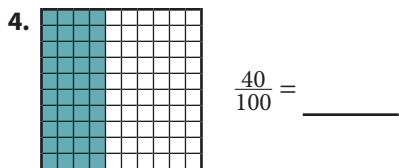
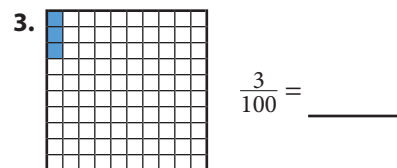
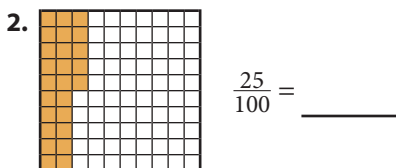
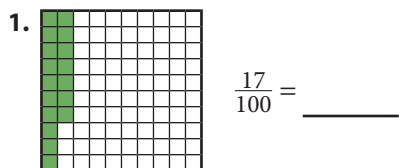
1. How many pets are in their neighborhood? _____
2. What ratio compares dogs to cats in ratio form? _____
3. What ratio compares pets to goldfish in word form? _____
4. What ratio compares birds to rabbits in fraction form? _____

Use the picture to write the ratio.

5. What is the ratio of white triangles to gray triangles? _____:_____
6. What is the ratio of the black hexagon to white triangles? _____:_____



Write the fraction in **decimal form**.



Write the percent in **fraction form**. Write the fraction in lowest terms.

7. $25\% = \frac{\hspace{1cm}}{100} = \underline{\hspace{2cm}}$

8. $30\% = \frac{\hspace{1cm}}{100} = \underline{\hspace{2cm}}$

9. $75\% = \frac{\hspace{1cm}}{100} = \underline{\hspace{2cm}}$

10. $80\% = \frac{\hspace{1cm}}{100} = \underline{\hspace{2cm}}$

Use the numbers in the box to answer the questions.

50% 75% 100%

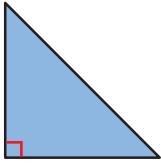
11. Ryan answered all the test questions correctly. What percentage grade did he receive?

12. Katie scored $\frac{1}{2}$ of the game points. What percentage of the points did she score?

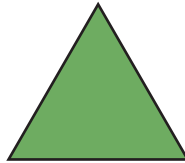
Classify the triangle according to the measure of its angles.

acute obtuse right

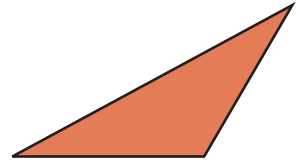
1.



2.



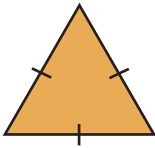
3.



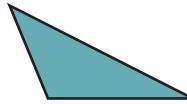
Classify the triangle according to the length of its sides.

equilateral isosceles scalene

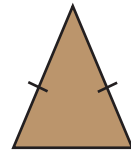
4.



5.

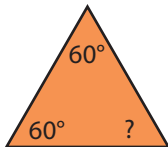


6.

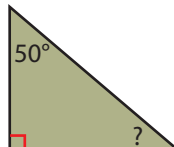


Find the measure of the unknown angle.

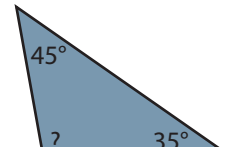
7.



8.



9.



Write the answer.

1. Estimate the product of 679 and 432. _____

2. Estimate the quotient for 2,314 divided into 30 groups. _____

3. What is the sum of 37,402 and 16,943? _____

4. Solve the expression: $(6 \times 10) + 3$. _____

5. Solve the expression: $2 + 1\frac{1}{4}$. _____

6. What is the sum of $\frac{6}{8}$ and $\frac{5}{6}$? _____

Solve.

7. $(7 \cdot x) + 3 = 45$ _____

10. $\frac{3}{7} = \frac{n}{28}$ _____

8. $\frac{1}{8}$ of 16 is _____

11. $\frac{6}{n} = \frac{36}{54}$ _____

9. $2.5 \times 4 =$ _____

12. $4.8 \times 6 =$ _____

Multiply. Use cancellation if possible. Write the answer in lowest terms.

1. $\frac{4}{10} \times \frac{3}{4} =$ _____

2. $\frac{6}{8} \times 5 =$ _____

3. $\frac{1}{2} \times \frac{2}{6} =$ _____

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

Use the Distributive Property to solve.

5. $2\frac{3}{4} \times 6 =$ _____

6. $4\frac{1}{4} \times 5 =$ _____

7. $2\frac{1}{9} \times 4 =$ _____

8. $1\frac{2}{3} \times 3 =$ _____

Solve. Write the answer in lowest terms.

9. A lemon stir-fry sauce recipe calls for $\frac{1}{4}$ of a cup of lemon juice and 2 tablespoons of sugar. Kevin is making stir fry for several people and needs more sauce. How much lemon juice does he need if he doubles the recipe? How much sugar?

10. Julie is making 5 gift baskets. She needs $2\frac{1}{2}$ yards of ribbon for each basket. How much ribbon does she need altogether?

11. Kylie ran $2\frac{1}{4}$ miles. Joshua ran $1\frac{7}{8}$ miles. How many miles did the two friends run altogether?

Write the name of the quadrilateral.

parallelogram rectangle rhombus square trapezoid

1.



2.



3.

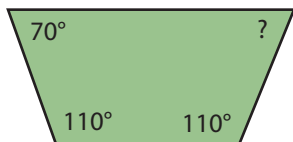


4.

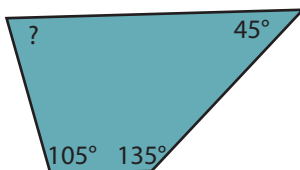


Find the measure of the unknown angle.

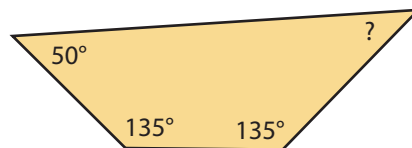
5.



6.



7.



Write **true** or **false**.

8. The sum of the angles in any quadrilateral is 360° . _____

9. A rectangle is never a parallelogram. _____

10. A square is always a rectangle. _____

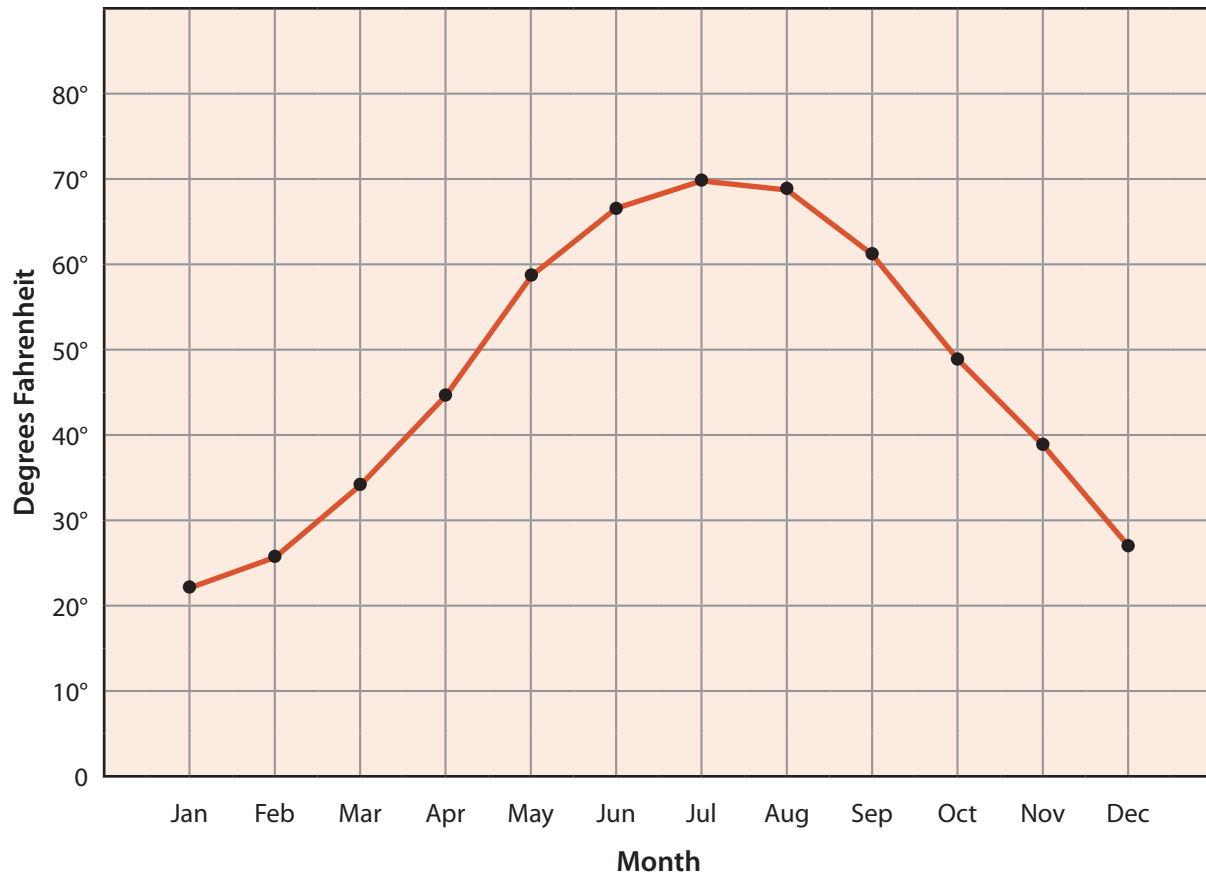
Use the data from the chart to find the answer.

1. Which of these animals has the most mass at birth?
2. Which animal has a mass of 3 kg?
3. What is the mass of a baby golden hamster?
4. What is the mass of a baby porcupine?
5. What is the difference in mass of a baby bison and a baby leopard seal?
6. What is the mass of a baby okapi?
7. Is the mass of a gray whale *greater than* or *less than* the total mass of an American bison and a leopard seal?
8. What is the sum of the masses of a baby porcupine, a baby raccoon, and a baby hamster?
9. Which animal has a mass that is half a baby raccoon’s mass?
10. Which animal’s mass is 14,000 g less than a leopard seal’s?

Baby Mammals	
Animal	Average Mass at Birth
American Bison	20,000 g
Eastern Cottontail	40 g
Golden Hamster	2 g
Gray Whale	500,000 g
Leopard Seal	30,000 g
Okapi	16 kg
Porcupine	500 g
Raccoon	80 g
White-tailed Deer	3 kg

Use the data from the line graph to find the answer.

Average Temperatures in Verona, NY



1. What data is this graph showing?

2. Which month of the year is the coldest in Verona?

3. What is the highest average temperature for the year?

4. Which months of the year have temperatures that are usually above 60°F?

5. Which month has an average temperature of 45°F?

6. Which month is colder, March or November?

7. In what three months would the average temperature be around 68°?

8. Which months have temperatures in the 20s?

9. In which months could you possibly go ice skating outside on a nearby lake?

Solve.

$$\begin{array}{r} 1. \quad \$37.16 \\ + \$14.24 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 157.04 \\ + 98.16 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 784.32 \\ + 512.75 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 6.075 \\ - 2.194 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 23.60 \\ - 14.28 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 94.16 \\ - 8.02 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 6.75 \\ \times 4.21 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad \$31.15 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 58.04 \\ \times 16 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \$150.25 \\ \times 3 \\ \hline \end{array}$$

$$11. 9.26 \div 4 = \underline{\hspace{2cm}}$$

$$12. 246.2 \div 8 = \underline{\hspace{2cm}}$$

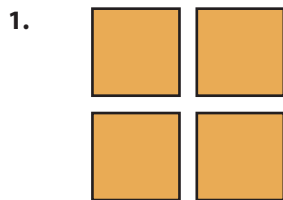
$$13. 556.8 \div 58 = \underline{\hspace{2cm}}$$

14. Jonathan and Joshua together earned \$68.00 mowing yards. Jonathan wants to give all of his half of the money to a mission program that buys blankets for children who do not have any. How much can he donate?

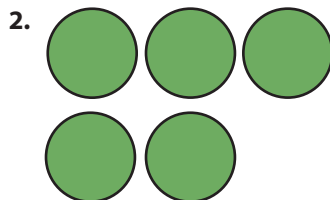
15. Joshua wants to give half of his money for the blankets and put the other half in his church offering. How much can he give to each?

16. Anne has saved \$55.17. She wants to buy a CD that costs \$14.98 and a book that costs \$12.00. If she buys those items, will she have enough left to buy a \$30.00 computer game?

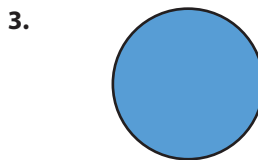
Partition the figures to help you find the quotient.



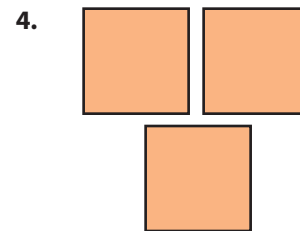
$$4 \div \frac{1}{2} = \underline{\hspace{2cm}}$$



$$5 \div \frac{5}{6} = \underline{\hspace{2cm}}$$



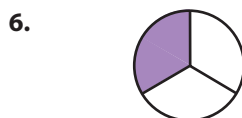
$$1 \div \frac{2}{4} = \underline{\hspace{2cm}}$$



$$3 \div \frac{3}{5} = \underline{\hspace{2cm}}$$



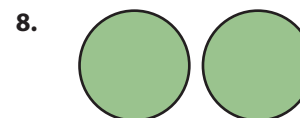
$$\frac{1}{2} \div \frac{1}{8} = \underline{\hspace{2cm}}$$



$$\frac{1}{3} \div \frac{1}{6} = \underline{\hspace{2cm}}$$



$$\frac{3}{4} \div \frac{3}{4} = \underline{\hspace{2cm}}$$



$$2 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

Solve by multiplying by the reciprocal.

9. $\frac{3}{4} \div \frac{1}{2} = \underline{\hspace{2cm}}$

10. $2\frac{1}{2} \div \frac{2}{3} = \underline{\hspace{2cm}}$

11. $3\frac{1}{5} \div \frac{2}{10} = \underline{\hspace{2cm}}$

12. $10 \div 2\frac{1}{2} = \underline{\hspace{2cm}}$

13. $4\frac{1}{2} \div 1\frac{3}{4} = \underline{\hspace{2cm}}$

14. $2\frac{1}{2} \div 1\frac{1}{4} = \underline{\hspace{2cm}}$

Solve.

1. $(4 + 5) \times 3 - 2 = \underline{\hspace{2cm}}$

2. $5^2 + 3 - 8 = \underline{\hspace{2cm}}$

3. $(35 \div 7) \times 4 + 6 = \underline{\hspace{2cm}}$

4. $89 - 10 + (4 \times 2) = \underline{\hspace{2cm}}$

5. $24 \div (6 \times 2) + 8 = \underline{\hspace{2cm}}$

6. $8 \times (8 + 2) + 5 = \underline{\hspace{2cm}}$

Solve.

7.

n		
25	25	25

$n = \underline{\hspace{2cm}}$

8.

120		
30	30	n

$n = \underline{\hspace{2cm}}$

9.

150			
25	n	50	50

$n = \underline{\hspace{2cm}}$

Solve. Draw a part-whole model for the equation.

10. $12 + 12 + n = 36$

$n = \underline{\hspace{2cm}}$

11. $100 - 75 = n$

$n = \underline{\hspace{2cm}}$

12. $n - 5 = 20$

$n = \underline{\hspace{2cm}}$

Solve.

13. $n \times 25 = 200$

$n = \underline{\hspace{2cm}}$

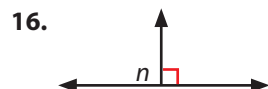
14. $n \div 4 = 25$

$n = \underline{\hspace{2cm}}$

15. $\frac{150}{n} = 6$

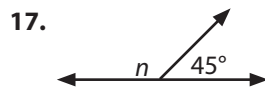
$n = \underline{\hspace{2cm}}$

Find the measure of the unknown angle.



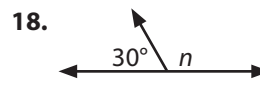
$n + 90^\circ = 180^\circ$

$n = \underline{\hspace{2cm}}$



$n + 45^\circ = 180^\circ$

$n = \underline{\hspace{2cm}}$



$30^\circ + n = 180^\circ$

$n = \underline{\hspace{2cm}}$

Write a comparison sentence using $>$, $<$, or $=$.

1. $0.075 \bigcirc 0.75$

2. $3.19 \bigcirc 31.9$

3. $1.7 \bigcirc 0.17$

4. $2.3 \bigcirc 2.30$

Solve.

5.
$$\begin{array}{r} 2.50 \\ + 3.81 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 1.46 \\ + 0.79 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 0.84 \\ - 0.30 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 7.95 \\ - 2.38 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 15.11 \\ + 26.98 \\ \hline \end{array}$$

10. $2.45 + 1.79 = \underline{\hspace{2cm}}$

11. $13.01 - 8.7 = \underline{\hspace{2cm}}$

12. $5.08 - 0.39 = \underline{\hspace{2cm}}$

13. $\$5.00 - \$2.34 = \underline{\hspace{2cm}}$

14.
$$\begin{array}{r} \$15.38 \\ \times \quad 3 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 2.59 \\ \times \quad 5 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 18.401 \\ \times \quad 2 \\ \hline \end{array}$$

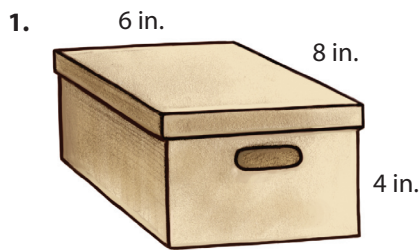
17.
$$\begin{array}{r} 0.952 \\ \times \quad 4 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 7.01 \\ \times \quad 6 \\ \hline \end{array}$$

19. Kalee earned \$10.00 taking care of her neighbor's puppy. She bought a top for \$8.49 with the money. How much change did she receive?

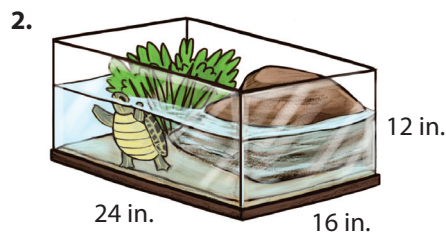
20. Kirk cut a rope into four 7.5-inch sections. He had 6 inches left over. What was the length of the original piece of rope?

Write an equation. Solve.



What is the perimeter of the box lid?

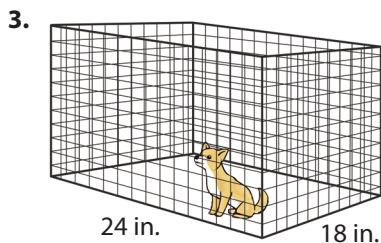
$$P = \underline{\hspace{2cm}} \text{ in.}$$



What is the volume of the tank?

$$V = \underline{\hspace{2cm}} \text{ in.}^3$$

$$\underline{\hspace{2cm}} \text{ in.} \times \underline{\hspace{2cm}} \text{ in.} \times \underline{\hspace{2cm}} \text{ in.} = \underline{\hspace{2cm}} \text{ in.}^3$$



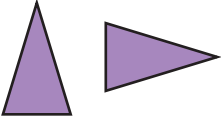
Multiply to find the area of the cage floor.

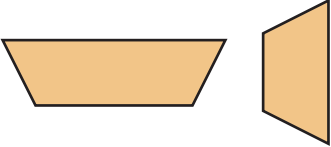
$$A = \underline{\hspace{2cm}} \text{ in.}^2$$


4. Wes is preparing to take his dogs to the dog show. He has two cages for the dogs. The floor of the one cage is 20 inches by 18 inches. The floor of the other cage is 48 inches by 24 inches. The van has a 4-foot opening, and the length without the seat is 6 feet. Will both cages fit into the back of the van?


5. The dog show is held at the Morgan Arena. The arena is 150 feet by 300 feet. The dog-agility show needs a space of 100 feet by 100 feet. Can two shows go on at the same time in the Morgan Arena?

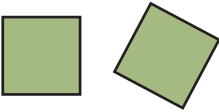
Identify the shapes as **congruent** or **similar**.


1. 

2. 

3. 


4. 

5. 

6. 

Write the percent of the circle that is shaded.


7. 

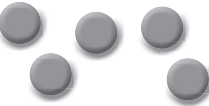
8. 


9. 

10. 






Write **certain**, **equally likely**, or **impossible** to predict the probability of choosing a black counter.


11. 

12. 

13. 

Use the data from the pictograph to answer the questions.

Favorite Theme Parks	
Cedar Point	
Islands of Adventure	
Holiday World	
Knoebels	
Magic Mountain	

Key
 = 100 people

1. What is the numerical value of ? _____

2. What is the numerical value of ? _____

3. How many people favor Cedar Point? _____

4. Which theme park was the favorite of 300 people?

5. Which two theme parks were favorites of the same number of people?

Solve.

6.
$$\begin{array}{r} \$124.79 \\ + \$734.36 \\ \hline \end{array}$$

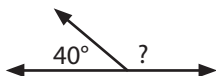
7.
$$\begin{array}{r} \$100.00 \\ - \$85.72 \\ \hline \end{array}$$

8.
$$\begin{array}{r} \$15.25 \\ \times 8 \\ \hline \end{array}$$

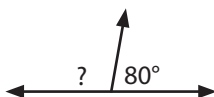
9.
$$25 \overline{) \$200.75}$$

Find the measure of the unknown angle.

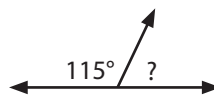
1.



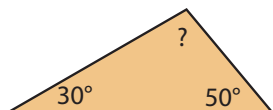
2.



3.



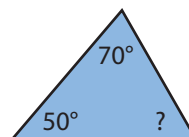
4.



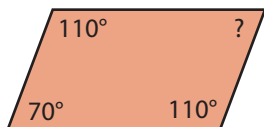
5.



6.



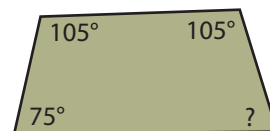
7.



8.



9.



Use mental math to solve.

1. $34.7 \div 10 =$ _____

2. $67.83 \div 100 =$ _____

3. $821.3 \div 1000 =$ _____

Rename the denominator as a power of 10. Write the fraction as a decimal.

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

5. $\frac{1}{2} =$ _____ $=$ _____

6. $\frac{1}{4} =$ _____ $=$ _____

7. $\frac{1}{5} =$ _____ $=$ _____

Solve.

8. $5 \overline{)16.25}$

9. $1.5 \overline{)5.79}$

10. $0.21 \overline{)4.641}$

11. $6 \overline{)\$39.54}$

12.
$$\begin{array}{r} \$4,128.45 \\ + \$2,397.15 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 395.1 \\ \times 4 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 158 \\ \times 25 \\ \hline \end{array}$$

15. $2.5 - 1.860 =$ _____

16. $54.3 \div 6 =$ _____

Make a factor tree for the number.
Write the prime factorization for the number in exponent form.

1. 81

2. 56

3. 64

4. 75

Find the greatest common factor (GCF) by listing the factors of each number.

5. 12 and 18

6. 21 and 35

7. 36 and 48

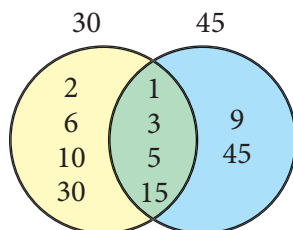
GCF: _____

GCF: _____

GCF: _____

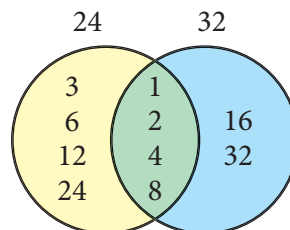
Use the Venn diagram to list the factors. Find the GCF.

8. Factors of 30 and 45



GCF: _____

9. Factors of 24 and 32



GCF: _____

Use the GCF to rename the fractions in lowest terms.

10. $\frac{12}{18} =$ _____

11. $\frac{21}{35} =$ _____

12. $\frac{36}{48} =$ _____

13. $\frac{30}{45} =$ _____

14. $\frac{24}{32} =$ _____

Use mental math to solve.

1. $3 \times 40 =$ _____

5. $100 \times 5.76 =$ _____

9. $85 \div 100 =$ _____

2. $30 \times 40 =$ _____

6. $1,000 \times 3.187 =$ _____

10. $29.7 \div 10 =$ _____

3. $300 \times 40 =$ _____

7. $217 \div 10 =$ _____

11. $0.835 \div 10 =$ _____

4. $10 \times 32.1 =$ _____

8. $385 \div 100 =$ _____

12. $87.32 \div 100 =$ _____

Solve.

13.
$$\begin{array}{r} 23 \\ 47 \\ 52 \\ + 89 \\ \hline \end{array}$$

14.
$$\begin{array}{r} \$20.00 \\ - \$15.37 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 137.50 \\ 21.83 \\ + 0.98 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 4.50 \\ - 0.372 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 382 \\ \times 175 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 401 \\ \times 342 \\ \hline \end{array}$$

Solve. Round to the nearest hundredth.

19. $178 \div 24 \approx$ _____

20. $4,065 \div 31 \approx$ _____

Write **Ones**, **Thousands**, **Millions**, or **Billions** to name the underlined period.

1. 237,910,845

2. 819,061,243,755

3. 4,603,754,103

4. 1,399,057

Round to the greatest place.

5. 89,371

6. 1,430,995

7. 7,510,249,631

8. 349,275,670

Use the numbers in the box to write the answer.

320,941,855 39,850,274 321,801,327 41,273,089

9. Write the numbers from *least* to *greatest*. _____

10. Which number has a 3 in the Ten Millions place?

15. Which numbers round to 300,000,000?

11. Which numbers have a 1 in the One Millions place?

16. Which numbers round to 40,000,000?

12. Which number is even?

17. Which numbers have the estimated sum of 80,000,000?

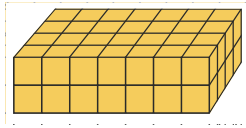
13. Which number equals $300,000,000 + 20,000,000 + 1,000,000 + 800,000 + 1,000 + 300 + 20 + 7$?

18. Which number is divisible by 5?

14. Which number equals 39 millions, 850 thousands, and 274 ones?

Find the volume of the figure.

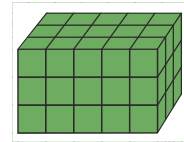
1.



$$\underline{\quad} \times \underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ units}^3$$

$l \quad w \quad h$

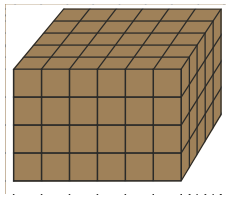
2.



$$\underline{\quad} \times \underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ units}^3$$

$l \quad w \quad h$

3.

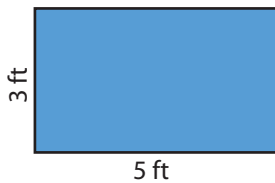


$$\underline{\quad} \times \underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ units}^3$$

$l \quad w \quad h$

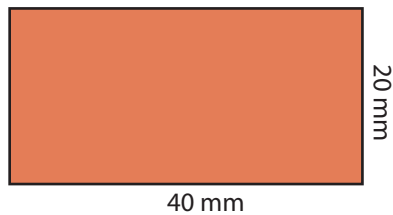
Write a multiplication equation to find the area of the figure.

4.



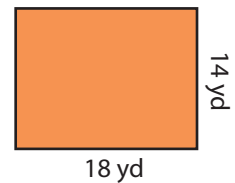
$$\underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ ft}^2$$

5.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ mm}^2$$

6.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ yd}^2$$

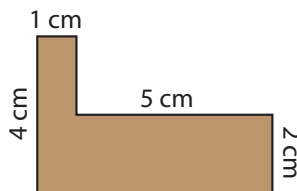
Find the perimeter of the figure.

7.



$$\underline{\quad} \text{ in.}$$

8.



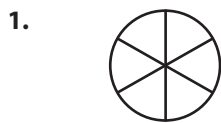
$$\underline{\quad} \text{ cm}$$

9.



$$\underline{\quad} \text{ ft}$$

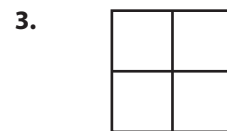
Solve. Shade the picture to illustrate the answer.



$$\frac{4}{6} \div \frac{1}{6} = \underline{\hspace{2cm}}$$



$$2 \div \frac{1}{4} = \underline{\hspace{2cm}}$$



$$1 \div \frac{2}{4} = \underline{\hspace{2cm}}$$

Solve. Write the answer in lowest terms.

4. $8 \div \frac{1}{2} = \underline{\hspace{2cm}}$

5. $2\frac{1}{9} \div 3 = \underline{\hspace{2cm}}$

6. $\frac{4}{6} \div \frac{1}{3} = \underline{\hspace{2cm}}$

7. $\frac{6}{12} \div \frac{2}{3} = \underline{\hspace{2cm}}$

8. $\frac{3}{4} \div \frac{1}{8} = \underline{\hspace{2cm}}$

9. $\frac{4}{5} \div \frac{1}{5} = \underline{\hspace{2cm}}$

10. $\frac{5}{6} \div \frac{2}{8} = \underline{\hspace{2cm}}$

11. $\frac{3}{4} \div 8 = \underline{\hspace{2cm}}$

Use the chart to answer the question.

12. Noah prepared half of the trail mix recipe. How many cups of mix did he make?

$$\underline{\hspace{1cm}} \text{ c cereal} + \underline{\hspace{1cm}} \text{ c raisins} + \underline{\hspace{1cm}} \text{ c candy} = \underline{\hspace{1cm}} \text{ c total}$$

Trail Mix Recipe

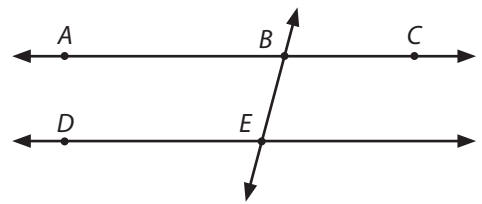
3 c of cereal
 $1\frac{1}{2}$ c of raisins
 $2\frac{1}{4}$ c of candy

13. Mom doubled the trail mix recipe to take to the church fellowship. How many cups of mix did she make?

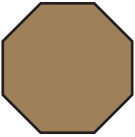
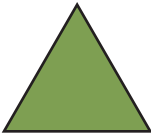

$$\underline{\hspace{1cm}} \text{ c cereal} + \underline{\hspace{1cm}} \text{ c raisins} + \underline{\hspace{1cm}} \text{ c candy} = \underline{\hspace{1cm}} \text{ c total}$$


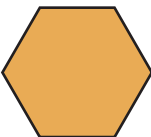
Use the diagram to name the geometric figure.

1. two collinear points _____
2. three noncollinear points _____
3. three lines _____
4. a point shared by two lines _____
5. two different names for \overleftrightarrow{AC} _____

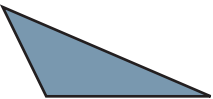
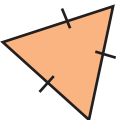
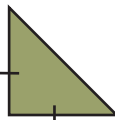


Write **hexagon**, **octagon**, **pentagon**, **quadrilateral**, or **triangle** to classify the polygon.

6.  _____
7.  _____
8.  _____

9.  _____
10.  _____

Write **equilateral**, **isosceles**, or **scalene** to classify the triangle.

11.  _____
12.  _____
13.  _____

Use the data from the circle graph to answer the question.

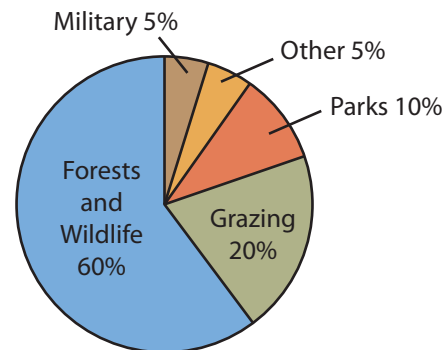
1. What is the sum of the percents shown on this graph?

2. Which category shows the greatest percentage of land owned by the federal government?

3. What percentage of land owned by the government is used for grazing and parks?

4. Which two categories together make up about one-fourth of federal land?

Land Owned by the U.S. Government



Solve.

5.
$$\begin{array}{r} 8,374 \\ 6,985 \\ + 4,876 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 45,799 \\ + 86,964 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 900,000 \\ - 318,974 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 60,005 \\ - 32,057 \\ \hline \end{array}$$

Solve. Round the decimal quotient to the nearest hundredth.

9. $84 \overline{)420}$

10. $56 \overline{)1,975}$

Write the numerical expression for the word phrase. Solve.

1. 15 take away 2
2. 1 more than a dozen
3. the product of 4 and 5
4. 6 to the second power
5. the sum of 14 and 16
6. one-half of ten
7. seven times three
8. the difference between 3 and 8

Write an algebraic expression for the word phrase.

9. 4 times a number
10. $\frac{1}{2}$ of a number
11. 6 less than a number
12. a number divided by 10
13. 20 more than a number
14. a number to the second power

Evaluate the expression. Let $n = 2$. Write a comparison sentence using $>$, $<$, or $=$.

15. $7 + 5$

\bigcirc

$n \cdot 5$
16. $\frac{18}{n}$

\bigcirc

$9 + 9$
17. $3n$

\bigcirc

$4 + 2$

Complete the table using the given values to evaluate the expressions.

18.

x	$x + 3$
7	
11	
19.

a	$a \cdot 4$
3	
6	
20.

n	$12 \div n$
3	
6	

Solve.

$$\begin{array}{r} 1. \quad \$3.47 \\ + \$1.62 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 45,816 \\ + 21,437 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 86,045 \\ + 19,057 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 832 \\ + 659 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 371 \\ \quad 422 \\ + 870 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 419 \\ \quad 27 \\ + 132 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 15 \\ \quad 32 \\ \quad 18 \\ + 604 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 38 \\ + 44 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \$0.78 \\ \quad \$2.52 \\ \quad \$0.07 \\ + \$1.18 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 517,053 \\ + 13,267 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 60,984 \\ + 321,786 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 417,035 \\ + 562,809 \\ \hline \end{array}$$

$$13. \quad 2.135 + 41.03 = \underline{\hspace{2cm}}$$

$$14. \quad \$39.76 + \$124.01 = \underline{\hspace{2cm}}$$

$$15. \quad 0.278 + 1.93 = \underline{\hspace{2cm}}$$

$$16. \quad 2\frac{1}{2} + 1\frac{3}{4} = \underline{\hspace{2cm}}$$

Solve.

$$\begin{array}{r} 1. \quad \$67.48 \\ - \$17.70 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 37,604 \\ - 28,442 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 525,004 \\ - 317,423 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 719,604 \\ - 385,260 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 8,042 \\ - 5,609 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 45,697 \\ - 13,806 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 200,345 \\ - 124,670 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 63,089 \\ - 20,428 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 6,839 \\ - 3,860 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 747,222 \\ - 648,203 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 832,587 \\ - 604,388 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 783,054 \\ - 332,867 \\ \hline \end{array}$$

$$13. \$5.00 - \$1.32 = \underline{\hspace{2cm}}$$

$$14. 14.03 - 2.5 = \underline{\hspace{2cm}}$$

$$15. 6\frac{1}{8} - 3\frac{1}{2} = \underline{\hspace{2cm}}$$

$$16. 89 - 15.75 = \underline{\hspace{2cm}}$$

$$17. 2,000 - 1,947 = \underline{\hspace{2cm}}$$

$$18. \$13.00 - \$1.98 = \underline{\hspace{2cm}}$$

Write the missing number or variable. Name the property used.

1. $(5 \cdot 3) \cdot 4 = 5 \cdot (\underline{\hspace{1cm}} \cdot 4)$

2. $a + b = \underline{\hspace{1cm}} + a$

3. $3 + 2a = 2a + \underline{\hspace{1cm}}$

Simplify the expression.

4. $x + 5x$ _____

5. $x + 8 + x$ _____

6. $x \cdot 4 \cdot 5$ _____

Solve the equation using the inverse operation.

7. $a + 10 = 25$

$a =$ _____

8. $3 \cdot n = 18$

$n =$ _____

9. $12 - x = 7$

$x =$ _____

10. $\frac{x}{3} = 9$

$x =$ _____

11. $8n = 32$

$n =$ _____

12. $15 \div c = 3$

$c =$ _____

Complete the table.

13.

x	$4x$
5	
7	
10	

14.

x	x^2
2	
4	
6	

15.

x	$3x - 1$
3	
5	
7	

Solve.

1.
$$\begin{array}{r} 324 \\ \times 12 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 450 \\ \times 312 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 12,475 \\ \times 20 \\ \hline \end{array}$$

4. $3 \times \$1.75 = \underline{\hspace{2cm}}$

5.
$$\begin{array}{r} 835 \\ \times 15 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 513 \\ \times 142 \\ \hline \end{array}$$

7.
$$\begin{array}{r} \$15.75 \\ \times 4 \\ \hline \end{array}$$

8. $2.4 \times 3.7 = \underline{\hspace{2cm}}$

9.
$$\begin{array}{r} 1,280 \\ \times 21 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 831 \\ \times 123 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 0.03 \\ \times 0.21 \\ \hline \end{array}$$

12. $8\frac{1}{2} \times 2\frac{1}{3} = \underline{\hspace{2cm}}$

13.
$$\begin{array}{r} 238 \\ \times 34 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 452 \\ \times 171 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 2.53 \\ \times 0.04 \\ \hline \end{array}$$

16. $\frac{3}{5} \cdot 3 = \underline{\hspace{2cm}}$

17.
$$\begin{array}{r} 507 \\ \times 42 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 324 \\ \times 214 \\ \hline \end{array}$$

19.
$$\begin{array}{r} \$21.48 \\ \times 5 \\ \hline \end{array}$$

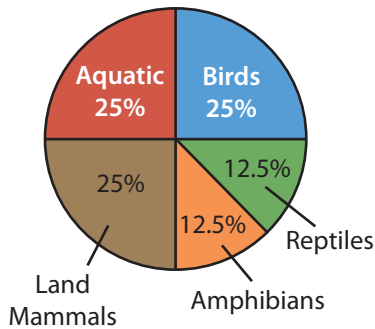
20. $\frac{3}{4} \cdot \frac{2}{3} = \underline{\hspace{2cm}}$

Use the data from the chart and the graphs to answer the questions.

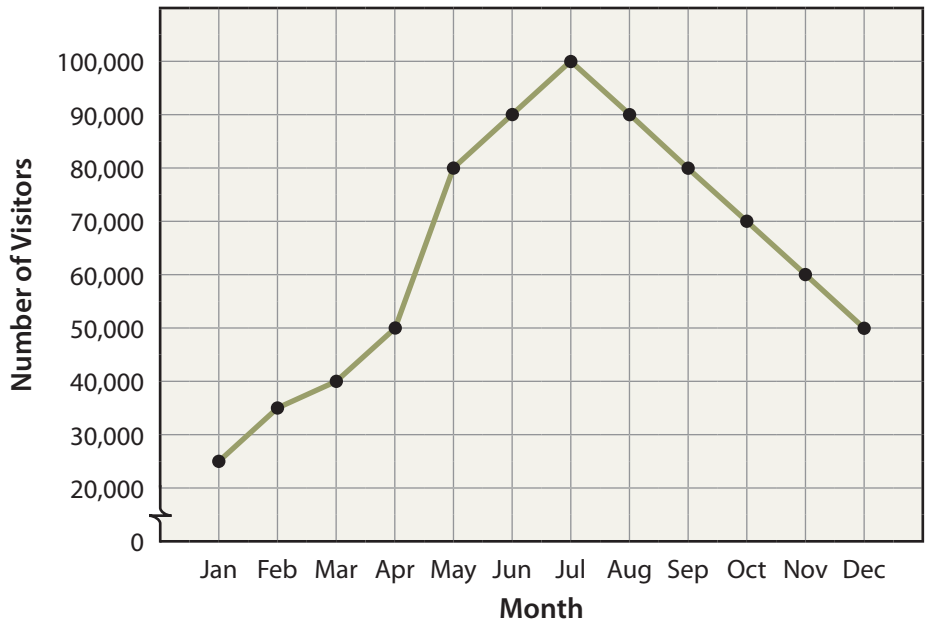
Zoo Admission

Adults	\$11.00
Children 6–18 years	\$8.00
Senior Citizens	\$8.00
Family Yearly Pass	\$50.00
Children 5 and under	Free

Zoo Exhibits



Visitors in 2011



1. Which graph shows a change in the number of visitors over time?

5. Which graph gives basic information about zoo admission costs?

2. Which graph tells how many people visited the zoo in 2011?

6. The Anderson family bought tickets to spend a day at the zoo. How much money did they spend on tickets for Mr. and Mrs. Anderson, 3 school-age boys, and Grandma Larson?

3. Which graph compares parts to a whole?

4. The Zoo Exhibits circle graph represents 800 zoo animals. How many animals are land mammals? How many are reptiles?

Solve. Annex zeros if needed. Round decimal answers to the nearest hundredth.

1. $8\overline{)72}$

2. $9\overline{)54}$

3. $7\overline{)56}$

4. $8\overline{)64}$

5. $6\overline{)42}$

6. $5\overline{)60}$

7. $21 \div 7 = \underline{\hspace{2cm}}$

8. $32 \div 8 = \underline{\hspace{2cm}}$

9. $81 \div 9 = \underline{\hspace{2cm}}$

10. $50 \div 10 = \underline{\hspace{2cm}}$

11. $49 \div 7 = \underline{\hspace{2cm}}$

12. $36 \div 12 = \underline{\hspace{2cm}}$

13. $7\overline{)154}$

14. $9\overline{)8,362}$

15. $6\overline{)4,032}$

16. $5\overline{)\$15.36}$

17. $4\overline{)4.2}$

18. $21\overline{)3,407}$

19. $132\overline{)13,465}$

20. $4.1\overline{)1,484.2}$

21. $231\overline{)23,573}$

Solve.

- Michelle purchased a 5.07-ounce tube of oil paint for \$5.10. What was the cost per ounce? (Round to the nearest cent.)
- A large bottle of soft drink holds 67.6 ounces and costs \$1.39. What is the price per ounce? (Round to the nearest cent.)
- A car traveled 158.75 miles in 2.5 hours. What was the average speed in miles per hour?
- Mrs. Patton purchased 12.5 pounds of chicken on sale. She spent \$11.13. What was the cost per pound? (Round to the nearest cent.)

Use the prices of the books to solve.

- Which book costs the most?

- Which two different books could you buy with twenty-five dollars?

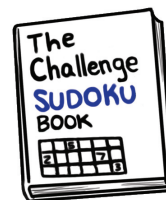
- How much money would you need to purchase the puzzle and riddle book and the word game book?

- What is the cost of three brain game books?

- You want to buy the brain game book and two other books. You have \$50.00. Which two other books can you purchase?



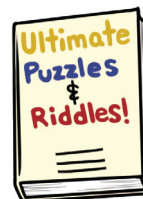
\$22.95



\$13.98



\$9.95



\$19.99

Evaluate the expression. Let $n = 6$.

1. $(1.3 \cdot n) - 4$

2. $75 - 7n$

3. $5n \div 2$

Simplify the expression.

4. $4(3x) =$ _____

5. $7(n + 4) =$ _____

6. $8y + (3y + 4) =$ _____

Write the algebraic expression for the sentence.

7. The fence is 7 times longer than the gate. _____

8. Sarah ran 2 miles more than Abby. _____

9. David popped 5 balloons. _____

10. Josh is 3 years older than Aaron. _____

Solve.

11. $4a = 64$ _____

12. $k + 7 = 48$ _____

13. $\frac{x}{7} = 56$ _____

14. $b - 6.4 = 1.8$ _____

15. $a \div 16 = 4$ _____

16. $20r = 400$ _____

Complete the table.

1.

meter	millimeter
1	1000
4	
	2000
9	

2.

gram	kilogram
1000	1
	3
	4
5000	

3.

milliliter	liter
1000	1
5000	
	7
8000	

Write a comparison sentence using $>$, $<$, or $=$.

4. 3 m \bigcirc 300 mm

5. 8000 g \bigcirc 8 kg

6. 2859 mL \bigcirc 4 L

Choose the best unit of measurement.

7.

Capacity	
a bottle of water	
10 mL	1 L
a mug of cocoa	
250 mL	25 L
water in a bathtub	
150 mL	150 L

8.

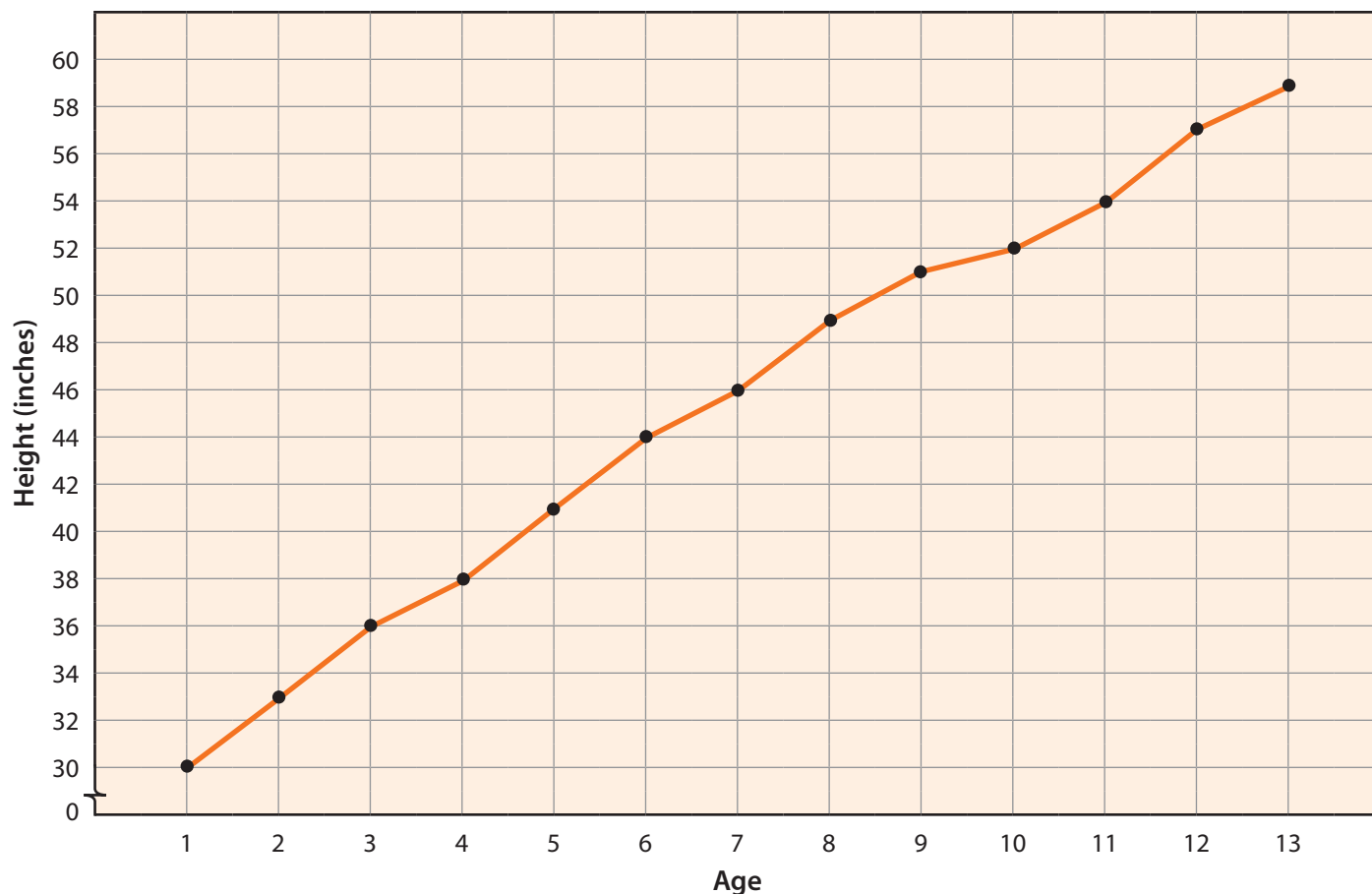
Mass	
a dog	
20 kg	20 g
four jellybeans	
4 kg	4 g
a chocolate chip cookie	
1 kg	10 g

9.

Temperature	
swimming in the ocean	
30°C	70°C
normal body temperature	
37°C	98°C
boiling water	
0°C	100°C

Use the data from the graph to answer the questions.

Claire's Height



Mrs. West recorded Claire's height on each birthday. Claire took the measurements and put them in a graph form.

- What kind of graph did Claire make?

- Why does the line increase rather than decrease?

- How tall was Claire at age 1? _____
- How many inches taller was Claire at age 5 than at age 1?

- Between which two years did Claire grow only 1 inch taller?

- How tall was Claire at age 13? _____
- How many inches did Claire gain between ages 6 and 7?

Solve.

$$\begin{array}{r} 1. \quad 4.5 \\ \times 6.7 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 7.18 \\ \times 2.9 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 442 \\ \times 71 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 975 \\ \times 48 \\ \hline \end{array}$$

$$5. \quad 5 \overline{) \$23.40}$$

$$6. \quad 47 \overline{) 5,076}$$

$$7. \quad 31 \overline{) 7,626}$$

$$8. \quad 206 \overline{) 5,150}$$

$$\begin{array}{r} 9. \quad \$6,932.37 \\ - \$5,331.97 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 20,320 \\ - 14,410 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad \$9,875 \\ - \$5,769 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 469.549 \\ - 203.895 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 38.472 \\ \quad 5.391 \\ + \quad 2.0 \\ \hline \end{array}$$

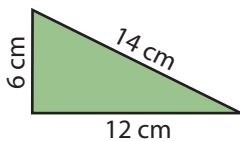
$$\begin{array}{r} 14. \quad \$169.95 \\ \quad \$139.49 \\ + \$ 39.99 \\ \hline \end{array}$$

$$15. \quad 31,998 + 543,477 = \underline{\hspace{2cm}}$$

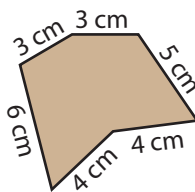
$$16. \quad 6,003 + 6,422 = \underline{\hspace{2cm}}$$

Find the perimeter of the figure.

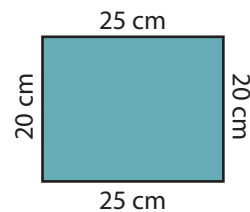
1.



2.

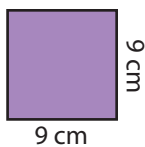


3.

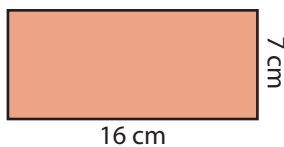


Find the area of the figure.

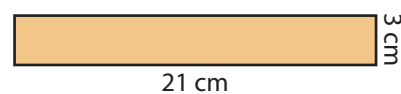
4.



5.

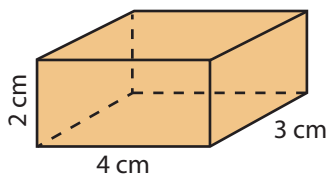


6.

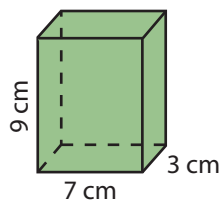


Find the volume of the figure.

7.



8.



Solve.

9. Jerry made a square raised flower bed for his mother using 20-foot boards. What is the area of the flower bed?

10. Amy built a rectangular birdhouse for bluebirds. It is 13 inches high, 5.5 inches wide, and 5 inches long. What is the volume of the birdhouse?

11. Sammy and Sally have a rectangular pool that is 6 feet long and 3 feet wide. What is its perimeter?

Write a comparison sentence using $>$, $<$, or $=$.

1. $1.70 \bigcirc 1.71$

2. $0.8 \bigcirc 0.80$

3. $8.465 \bigcirc 8.645$

4. $0.051 \bigcirc 0.052$

5. $1.60 \bigcirc 0.16$

6. $0.653 \bigcirc 0.66$

7. $1.874 \bigcirc 18.74$

8. $3.09 \bigcirc 3.009$

Solve.

9. What is the cost of 6 pounds of chicken if chicken is \$2.89 per pound?

10. Kerri bought a two-cheeseburger meal including a drink and fries for \$3.79. Cheeseburgers normally cost \$0.99, and drinks are \$1.39. Fries are \$0.79. How much money did she save by buying the meal instead of buying the two burgers, the fries, and the drink separately?

Write an equation. Solve.

11. Dad used \$10.00 to purchase a drink that cost \$2.89. _____

12. five tenths less than three and twenty-five hundredths _____

13. thirteen hundredths more than thirteen thousandths _____

14. the price of 1 can of beets when the price for five cans is \$2.00 _____

15. Estimate the product of 57 and 236. _____

Solve. Rename to lowest terms.

1. $4 \times \frac{4}{5} =$ _____

8. $4 \times 2\frac{5}{6} =$ _____

15. $\frac{5}{7} \div \frac{1}{6} =$ _____

2. $6 \times \frac{2}{3} =$ _____

9. $3 \times 2\frac{1}{10} =$ _____

16. $\frac{3}{4} \div \frac{3}{8} =$ _____

3. $2 \times \frac{5}{12} =$ _____

10. $7 \times 1\frac{3}{10} =$ _____

17. $\frac{8}{12} \div \frac{2}{12} =$ _____

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

11. $2 \div \frac{1}{6} =$ _____

18. $\frac{3}{8} \div \frac{1}{2} =$ _____

5. $\frac{3}{5} \times \frac{1}{3} =$ _____

12. $1 \div \frac{3}{12} =$ _____

19. $\frac{1}{4} \div \frac{3}{5} =$ _____

6. $9 \times \frac{5}{7} =$ _____

13. $4 \div \frac{2}{3} =$ _____

20. $\frac{4}{6} \div 4 =$ _____

7. $\frac{4}{9} \times \frac{3}{8} =$ _____

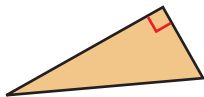
14. $3 \div \frac{1}{2} =$ _____

21. $2 \div \frac{1}{2} =$ _____

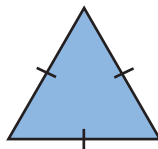
Classify the triangle according to its angles: **acute**, **right**, or **obtuse**.

Classify the triangle according to the length of its sides: **equilateral**, **isosceles**, or **scalene**.

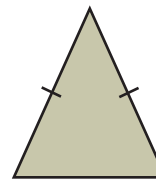
1.



2.

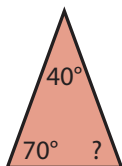


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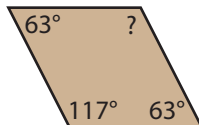


Find the unknown angle.

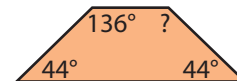
4.



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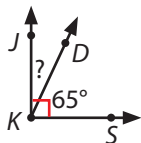


6.



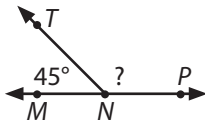
Find the measure of the complementary or supplementary angle.

7.



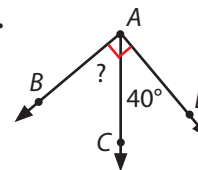
$\angle JKD =$ _____

8.



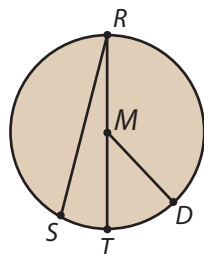
$\angle TNP =$ _____

9.



$\angle BAC =$ _____

Use the circle to answer the questions.



10. Name the circle. _____

11. Name the diameter. _____

12. Name a chord that is not a diameter. _____

13. Name a radius. _____

Rename the denominator as a power of 10. Write the fraction as a decimal.

1. $\frac{3}{5} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

2. $\frac{1}{4} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

3. $\frac{1}{2} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

4. $\frac{12}{25} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

Solve. Use a bar to mark the repeating digits.

5. $3\overline{)2}$

6. $6\overline{)139.50}$

7. $6\overline{)550}$

8. $0.12\overline{)1.58}$

Solve.

9. Karen's family vacationed at the beach. The first two days the motel charged them \$89.95 each night. The rates went up to \$107.55 on Friday and Saturday nights. How much did her family spend on the motel for four nights?

10. On Friday, Karen's family went to a fish fry on the beach. Her dad and mom bought 2 adult plates for \$7.95 each and 3 child plates for \$4.95 each. How much did her family spend on that meal?

Complete the table using the given values to evaluate the expressions.

1.

b	$5b + 8$
6	
12	
29	
45	

2.

x	$\frac{x}{4} - 2$
8	
24	
48	
64	

3.

n	$6 + n^2$
4	
12	
16	
20	

Evaluate the expression. Let $m = 4$.

4. $5m - 7 =$ _____

5. $(6 + 2m) - 3 =$ _____

6. $3 + m + 6 =$ _____

7. $\frac{m}{2} + 7 =$ _____

8. $m + 7 - 6 =$ _____

9. $105 - 12m =$ _____

Simplify the expression.

10. $4(8x) =$ _____

11. $9 + (6 + 2x) =$ _____

12. $8x + (2 + 4x) =$ _____

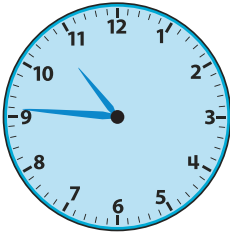
13. $6(n + 2) =$ _____

14. $5(4x + 3.1) =$ _____

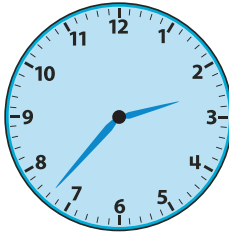
15. $9b + 3b + 12b =$ _____

Write the time.

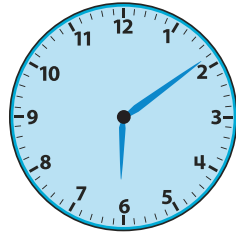
1.



2.

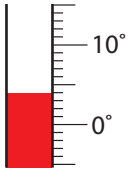


3.

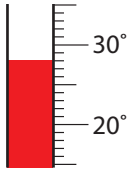


Write the temperature in °F.

4.



5.



6. freezing point of water _____

7. normal body temperature _____

8. boiling point of water _____

Complete the table.

9.

pound	ounce
1	16
	64
7	
10	

10.

inch	feet
12	1
48	
	6
	9

11.

ton	pound
1	2,000
2	
6	
8	

12.

yard	inch
1	36
4	
6	
7	

Write the ordered pair for the point.

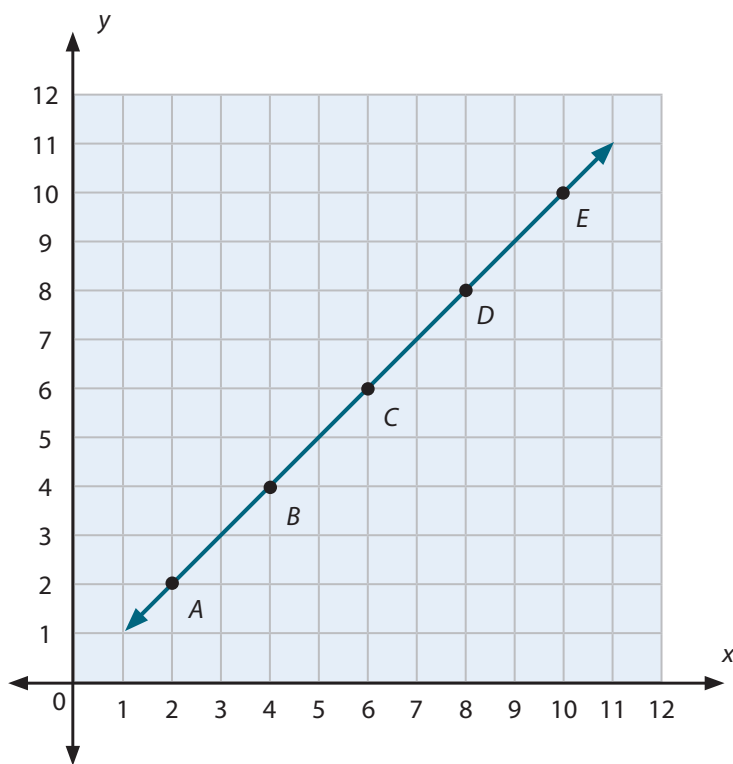
1. A _____

2. B _____

3. C _____

4. D _____

5. E _____



Name the point on the graph represented by the ordered pair.

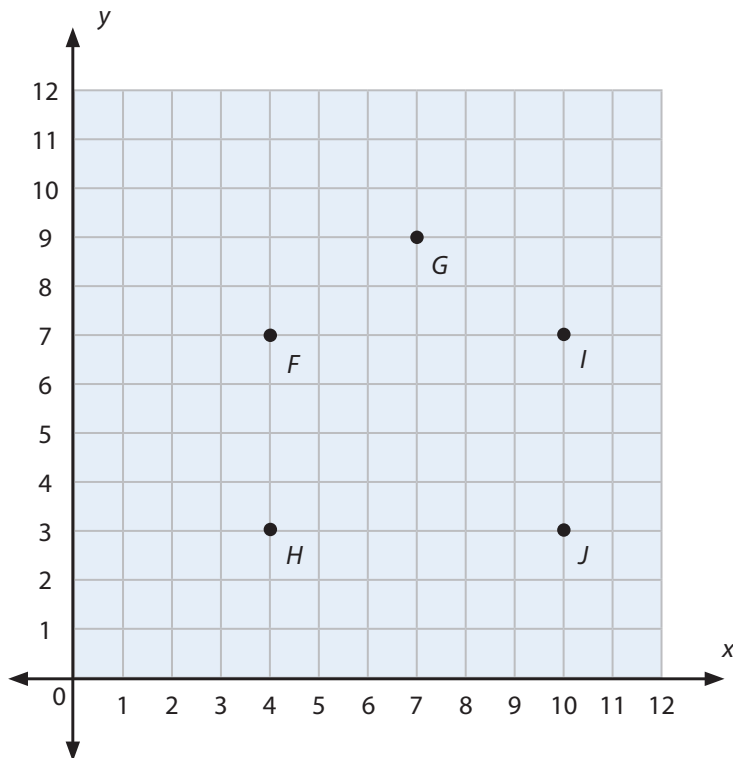
6. (4, 7) _____

7. (7, 9) _____

8. (4, 3) _____

9. (10, 7) _____

10. (10, 3) _____



Solve.

1. $971 + 136 + 538 + 818 + 881 =$ _____

2. $766 + 245 + 952 + 446 + 312 =$ _____

3. $228 + 347 + 474 + 146 + 359 =$ _____

4. $873 + 721 + 979 + 619 + 648 =$ _____

5.
$$\begin{array}{r} 95,939 \\ - 59,962 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 62,884 \\ - 10,611 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 91,315 \\ - 87,795 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 47,386 \\ - 25,668 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 358 \\ \times 711 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 471 \\ \times 512 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 948 \\ \times 343 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 324 \\ \times 460 \\ \hline \end{array}$$

Solve. Round the quotient to the nearest tenth.

13. $69 \overline{)854}$

14. $21 \overline{)389}$

15. $25 \overline{)514}$

16. $13 \overline{)624}$

Write the ratio as a fraction in lowest terms.

1. 10 peppermints to 6 lemon drops _____
2. 2 cups sugar to 10 cups water _____
3. 8 elephants to 7 giraffes _____
4. 54 cookies to 6 students _____

Use the data from the table to write the ratio.

5. cats to dogs _____
6. lizards to birds _____
7. fish to total animals _____
8. dogs to hamsters _____
9. animals with fur to animals without fur _____
10. reptiles to fish _____

Andrew's Pet Store			
cats	6	fish	50
dogs	4	hamsters	7
lizards	3	gerbils	3
turtles	8	birds	12

Complete the ratio table.

11.

cars	10		40	
trucks	6	12		48

12.

students	19		95	
girls	10	30		90

Write a comparison sentence using = or \neq .

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

2. $\frac{4}{5} \bigcirc \frac{16}{20}$

3. $\frac{40}{80} \bigcirc \frac{1}{4}$

4. $\frac{12}{27} \bigcirc \frac{4}{7}$

Find the unit rate.

5. 15 gal of gas to drive 450 mi _____

8. \$84 earned in 7 hr _____

6. 135 pages read in 45 min _____

9. 5 cans of peas for \$2.00 _____

7. 4 lbs meat for \$8.76 _____

10. 12 pencils for \$6.00 _____

Write the missing term that completes the equivalent ratio.

11. $\frac{1}{7} = \frac{n}{49}$ _____

12. $\frac{2}{7} = \frac{10}{n}$ _____

13. $\frac{36}{42} = \frac{6}{n}$ _____

14. $\frac{5}{9} = \frac{n}{36}$ _____

15. $\frac{3}{4} = \frac{18}{n}$ _____

16. $\frac{30}{16} = \frac{n}{8}$ _____

Write the percent in **decimal form**.

1. 52% _____ 2. 17% _____ 3. 19% _____ 4. 2% _____ 5. 75% _____

Write the decimal in **percent form**.

6. 0.58 _____ 7. 0.8 _____ 8. 0.09 _____ 9. 0.27 _____ 10. 0.93 _____

Write the percent in **fraction form** in lowest terms.

11. 60% _____ 12. 20% _____ 13. 50% _____ 14. 25% _____ 15. 75% _____

Find the percent of the number.

16. 20% of 100 = _____ 17. 50% of 8 = _____ 18. 50% of 90 = _____
19. 10% of 30 = _____ 20. 25% of 100 = _____

Find the volume of a prism with the given dimensions.

1. rectangular prism: $l = 3$ cm, $w = 2$ cm, $h = 6$ cm _____

2. square prism: $s = 7$ m _____

3. rectangular prism: $l = 7$ m, $w = 8$ m, $h = 6$ m _____

Find the volume of a cylinder with the given dimensions.

4. cylinder: $r = 2$ m, $h = 7$ m _____

5. cylinder: $r = 4$ m, $h = 9$ m _____

6. cylinder: $r = 5$ m, $h = 10$ m _____

Solve.

7. Jason filled a rectangular planter with potting soil. His planter is 4 feet long, 2 feet wide, and 0.5 feet high. How much potting soil did it take to fill his planter?

8. Sarah made a vanilla cake in a pan that is 13 inches by 9 inches by 2 inches. What is the volume of half of her pan?

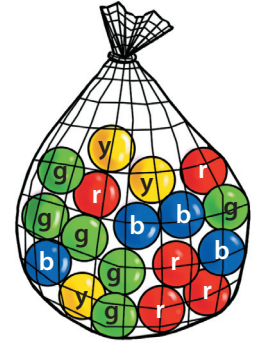
9. The fish tank in Dr. Goforth's office is cube shaped with equal dimensions of 3.3 feet. What is the volume of his fish tank?

Answer the questions.

1. Write the ratio of blue balls to total balls. _____

2. Write the ratio of red balls to total balls. _____

3. Which color ball is most likely to be chosen from the bag? _____



4. Write the ratio that tells the probability that the spinner will land on blue. _____

5. Write the ratio that tells the probability that the spinner will land on green. _____

6. Which color has the lowest probability that the spinner will land on it? _____

7. Write the ratio in fraction form to show the number of white-frosted doughnuts to total doughnuts.

8. Write the ratio in word form to show the number of white-frosted doughnuts to pink-frosted doughnuts.

9. Write the ratio to show the number of chocolate-frosted doughnuts to white-frosted and pink-frosted doughnuts.

10. The box of doughnuts has 5 white-frosted donuts, 6 pink-frosted doughnuts, and 1 chocolate-frosted doughnut. If someone takes one without looking, what type of doughnut will be the least likely taken?



Write the numbers in order from *least* to *greatest*.

1.

4	-4	0	7
---	----	---	---

2.

8	-7	0	-8
---	----	---	----

3.

-7	-10	-2	0
----	-----	----	---

4.

0	1	-2	-5
---	---	----	----

Write a comparison sentence using $>$ or $<$.

5. $2 \bigcirc -2$

6. $-3 \bigcirc -2$

7. $-50 \bigcirc -75$

8. $-8 \bigcirc 4$

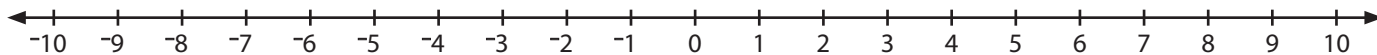
9. $-6 \bigcirc -9$

10. $-12 \bigcirc -16$

11. $5 \bigcirc 4$

12. $6 \bigcirc 7$

Use the number line to solve.



13. $-4 + -3 =$ _____

14. $5 + 1 =$ _____

15. $-3 + -6 =$ _____

16. $-5 + 5 =$ _____

17. $4 + -9 =$ _____

18. $8 + -4 =$ _____

Solve.

1.

2005	200
2006	350
2007	400
2008	425
2009	450
2010	473

Camp Silver records the number of campers that attend each year. What is the average attendance of campers for the years shown on the chart?

2. Find the average grade for each student.
Round the average to the nearest whole number.

	Test 1	Test 2	Test 3	Average
Kara	75	85	90	
Jason	92	100	85	
Abigail	85	95	90	
Robert	100	100	97	

3. Calculate Jim's average bowling score for Saturday's four games.

1	2	3	4
156	128	134	150

4. Jessica saw 5 birds on Monday, 6 on Tuesday, 3 on Wednesday, 4 on Thursday, and 2 on Friday. What is the average number of birds she saw each day?
5. In 2007 the Chicago Cubs won 85 baseball games. They won 97 games in 2008, 83 in 2009, and 75 in 2010. What is their average number of games won?

Solve. Rename in lowest terms.

1. $\frac{1}{3} \div \frac{1}{5} =$ _____

5. $\frac{3}{4} \div \frac{1}{2} =$ _____

9. $2\frac{4}{7} \div \frac{3}{4} =$ _____

2. $\frac{3}{5} \div \frac{2}{3} =$ _____

6. $\frac{9}{18} \div \frac{3}{6} =$ _____

10. $3\frac{3}{8} \div \frac{4}{8} =$ _____

3. $\frac{4}{8} \div \frac{1}{4} =$ _____

7. $5\frac{1}{3} \div 2\frac{1}{6} =$ _____

11. $5\frac{6}{7} \div \frac{1}{3} =$ _____

4. $\frac{9}{12} \div \frac{1}{6} =$ _____

8. $9\frac{2}{4} \div 3\frac{1}{6} =$ _____

12. $4\frac{3}{8} \div 1\frac{2}{6} =$ _____

Solve.

13. Miss Snow teaches ice skating to beginners. Each lesson is $\frac{1}{2}$ of an hour long. How many lessons can she give in 3 hours?

14. David is planning to grill burgers for a cookout. He uses 1 pound of hamburger to make 4 burgers. How many burgers can he make with $4\frac{1}{2}$ pounds of meat?

Solve.

1. $9.4 \overline{)0.1316}$

2. $5.4 \overline{)3.186}$

3. $67 \overline{)20.77}$

4. $1 \overline{)0.05}$

5. $8.9 \overline{)436.1}$

6. $7.5 \overline{)0.375}$

7. $1.3 \overline{)0.429}$

8. $27 \overline{)7.83}$

Rename the denominator as a power of 10. Write the fraction as a decimal.

9. $\frac{2}{5} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

10. $\frac{5}{25} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

11. $\frac{3}{4} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

12. $\frac{1}{2} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

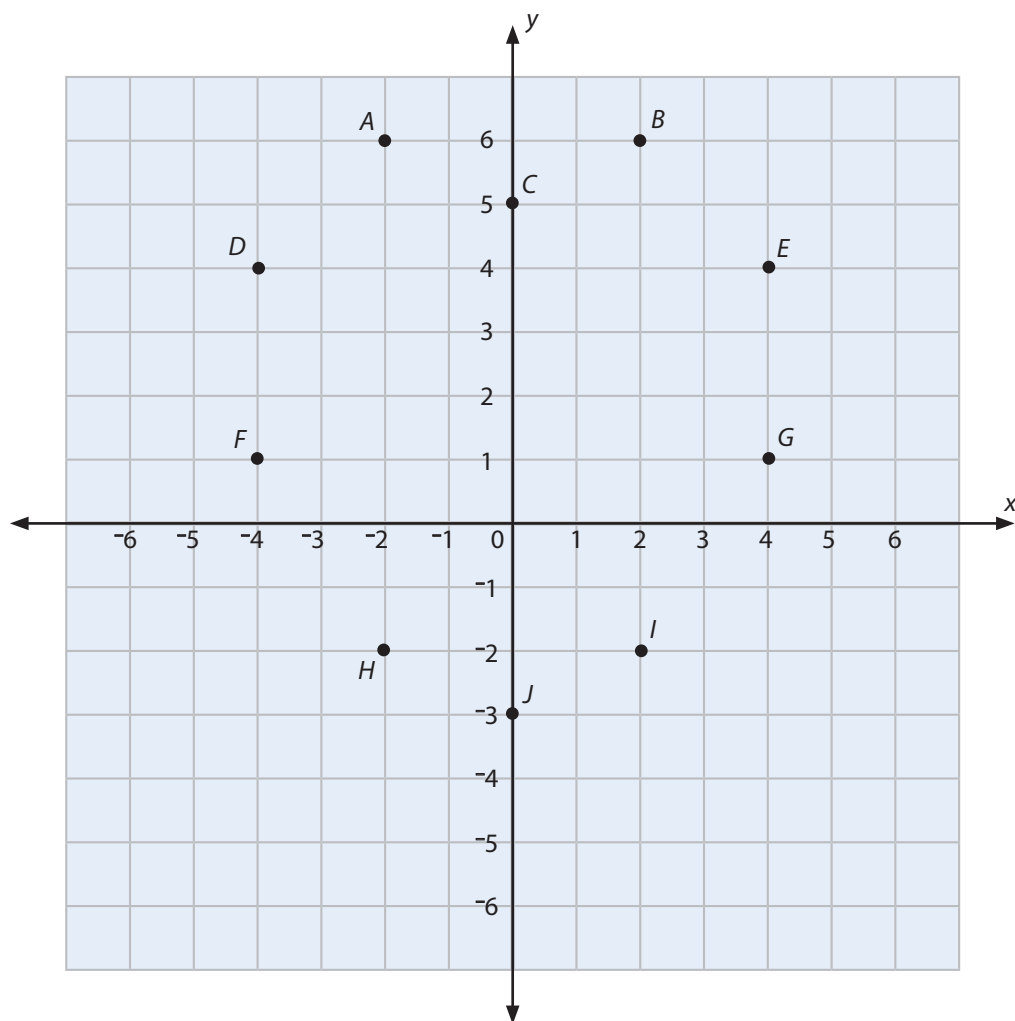
Divide. Write the fraction as a decimal. Mark the repeating digits.

13. $\frac{3}{4} = \underline{\hspace{1cm}}$

14. $\frac{8}{9} = \underline{\hspace{1cm}}$

15. $\frac{2}{3} = \underline{\hspace{1cm}}$

16. $\frac{1}{4} = \underline{\hspace{1cm}}$



Name the point represented by the coordinates.

1. $(2, 6)$ _____

2. $(-4, 1)$ _____

3. $(-2, -2)$ _____

4. $(4, 4)$ _____

5. $(0, 5)$ _____

Write the coordinates for the point.

6. A _____

7. D _____

8. G _____

9. I _____

10. J _____

Solve.

$$\begin{array}{r} 1. \quad 643,564 \\ + 246,203 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 391,715 \\ - 96,639 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 493 \\ \times 321 \\ \hline \end{array}$$

$$16. \quad 14 \overline{)994}$$

$$\begin{array}{r} 2. \quad 228,258 \\ + 552,220 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 793,151 \\ - 150,895 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 141 \\ \times 998 \\ \hline \end{array}$$

$$17. \quad 18 \overline{)108}$$

$$\begin{array}{r} 3. \quad 734,280 \\ + 154,745 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 26,956 \\ - 25,666 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 860 \\ \times 775 \\ \hline \end{array}$$

$$18. \quad 21 \overline{)126}$$

$$\begin{array}{r} 4. \quad 571,900 \\ + 648,843 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 472,320 \\ - 205,663 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 106 \\ \times 215 \\ \hline \end{array}$$

$$19. \quad 16 \overline{)368}$$

$$\begin{array}{r} 5. \quad 826,520 \\ + 862,498 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 453,388 \\ - 436,850 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 124 \\ \times 842 \\ \hline \end{array}$$

$$20. \quad 23 \overline{)920}$$

Write the ratio in **word form**, **ratio form**, and **fraction form**.

1. 1 computer for every 3 students _____

2. 2 workers for every 15 children _____

3. 4 tables for every 32 people _____

4. 6 servings for every pie _____

5. 6 cookies for every 3 lunches _____

Write the ratio as a fraction in lowest terms.

6. 2 to 8 _____

7. 4 to 12 _____

8. 5 to 10 _____

9. 8 to 20 _____

10. 10 to 100 _____

Use equivalent ratios to find the missing term.

11. $\frac{4}{8} = \frac{n}{16}$

12. $\frac{1}{4} = \frac{n}{100}$

13. $\frac{2}{3} = \frac{4}{n}$

14. $\frac{1}{5} = \frac{n}{100}$

Solve.

15.
$$\begin{array}{r} 249.71 \\ + 84.09 \\ \hline \end{array}$$

16.
$$\begin{array}{r} \$3.75 \\ \times 5 \\ \hline \end{array}$$

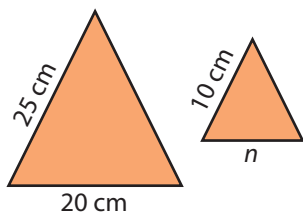
17.
$$\begin{array}{r} \$20.00 \\ - \$12.75 \\ \hline \end{array}$$

18. $1,287 \div 3 =$ _____

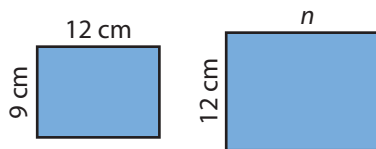
19. $1.2 + 39.764 =$ _____

Write a proportion to find the unknown measure of the similar figure.

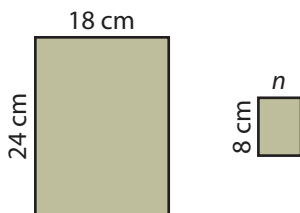
1.



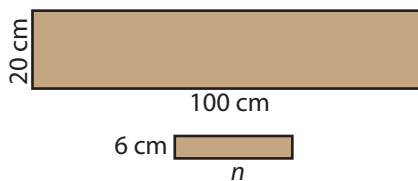
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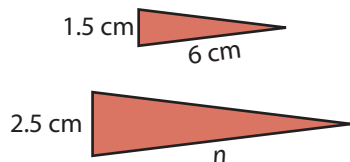
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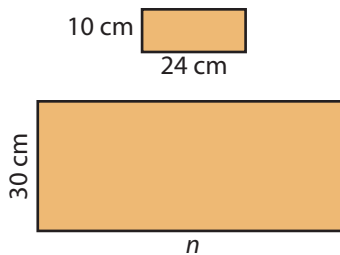
4.



5.



6.



Write a proportion to solve.

7. A parking meter that is 1.5 meters tall casts a shadow of 3 meters. A light pole in the parking lot casts a shadow of 12 meters. How tall is the light pole?

8. A tree casts a shadow of 1.2 meters. A meter stick casts a shadow of 0.4 meters. What is the height of the tree?

Write the percent as a decimal and as a fraction in lowest terms.

1. 53% = _____ = _____
2. 8% = _____ = _____
3. 70% = _____ = _____

Write the ratio as a percent.

4. $\frac{8}{100}$ _____
5. 20:100 _____
6. 5 per 100 _____

Write the decimal as a percent. Annex zeros as needed.

7. 0.01 _____
8. 0.1 _____
9. 0.69 _____

Write the percent as a fraction with a denominator of 100 and in lowest terms.

10. 50% = _____ = _____
11. 6% = _____ = _____
12. 10% = _____ = _____

Solve.

As part of a class project, Daniel surveyed 40 people to find out whether they preferred basketball or baseball.

Sport	Tally	Frequency
Baseball		12
Basketball		28

13. What percent of the people preferred baseball?

Write the equivalent measurement.

1. 1 ft = _____ in.

2. 1 mi = _____ ft

3. 1 gal = _____ qt

4. 1 tn = _____ lb

5. 1 pt = _____ c

6. 1 lb = _____ oz

Rename the units.

7. 18 in. = _____ ft

8. 12 ft = _____ yd

9. 2 tn 1,280 lb = _____ lb

10. 24 oz = _____ c

Solve.

11.
$$\begin{array}{r} 1 \text{ ft } 11 \text{ in.} \\ + 2 \text{ ft } 16 \text{ in.} \\ \hline \end{array}$$

12.
$$\begin{array}{r} 3 \text{ lb } 12 \text{ oz} \\ - 20 \text{ oz} \\ \hline \end{array}$$

13.
$$\begin{array}{r} 1,760 \text{ yd} \\ + 845 \text{ yd} \\ \hline \end{array}$$

14.
$$\begin{array}{r} 3 \text{ gal } 1 \text{ qt} \\ - 1 \text{ gal } 2 \text{ qt} \\ \hline \end{array}$$

15. yards in $\frac{1}{2}$ of a mile

16. feet in $\frac{2}{3}$ of a yard

17. inches in $\frac{1}{4}$ of a foot

18. Mother used $2\frac{1}{2}$ pounds of hamburger to make meatloaf. How many ounces were left from the 3-pound package?

19. Claire placed six 18-inch pieces of ribbon across her bulletin board. How many yards of ribbon did she use?

20. Jordan cut an 8-foot board into 3 equal pieces. How many inches long were the pieces?

Write the equivalent measurement.

1. 1 m = _____ cm

2. 1 L = _____ mL

3. 1 kg = _____ g

4. 1 km = _____ m

Rename the units.

5. 3 m = _____ cm

6. 7250 m = _____ km

7. 5000 g = _____ kg

8. 2 L = _____ mL

Solve.

9. $\frac{1}{2}$ of a kilometer

10. $\frac{1}{4}$ of a meter

11. $\frac{3}{4}$ of a liter

12.
$$\begin{array}{r} 2500 \text{ mL} \\ + 1500 \text{ mL} \\ \hline \end{array}$$

13.
$$\begin{array}{r} 3417 \text{ kg} \\ - 2750 \text{ kg} \\ \hline \end{array}$$

14. $3 \text{ L} - 2750 \text{ mL} =$ _____

15. $8341 \text{ g} + 978 \text{ g} =$ _____

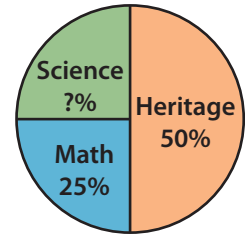
16. The punch recipe calls for 1 liter of orange juice, 2 liters of lemon-lime soda, 300 milliliters of lemonade concentrate, and 1.5 liters of water. How much punch does the recipe make?

17. The nurse said Carissa's temperature was normal. What was her temperature in Celsius?

Use the data from the circle graph to find the answer.

The sixth-grade class surveyed 100 students to find their favorite subjects.

Favorite Subjects



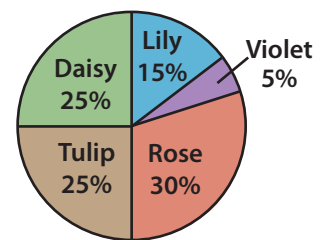
1. What percent of students surveyed liked heritage the best?

2. Of the 100 students surveyed, how many chose math?

3. What percent of the students surveyed chose science?

Mrs. Hancock made a circle graph to show the percents of the different kinds of flowers in her garden.

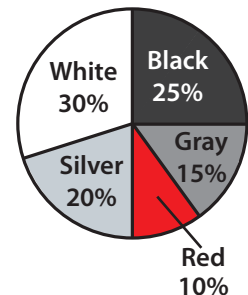
Garden Flowers



4. List the kinds of flowers in order from the largest percentage to the smallest percentage.

The car dealership made a circle graph of the most popular car colors. They used the information to order new cars.

Popular Car Colors



5. Based on the graph, what color car would the dealership order the most of?

6. If they ordered 100 cars, how many cars would they order in black?

7. Does this graph show how many red vans to order?

8. List the colors from greatest percentage to smallest percentage.

Write the improper fraction as a mixed number or a whole number.

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

2. $\frac{7}{2} =$ _____

3. $\frac{12}{4} =$ _____

4. $\frac{6}{6} =$ _____

5. $\frac{9}{4} =$ _____

Solve. Write the answer in lowest terms.

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

7.
$$\begin{array}{r} \frac{4}{5} \\ + \frac{2}{10} \\ \hline \end{array}$$

8.
$$\begin{array}{r} 6\frac{1}{2} \\ - 4\frac{1}{4} \\ \hline \end{array}$$

9.
$$\begin{array}{r} 5 \\ - 2\frac{2}{3} \\ \hline \end{array}$$

10.
$$\begin{array}{r} \frac{8}{10} \\ - \frac{3}{15} \\ \hline \end{array}$$

11. $3 \times \frac{4}{5} =$ _____

12. $1\frac{1}{2} \times 2\frac{3}{6} =$ _____

13. $4\frac{2}{8} \times 3\frac{1}{5} =$ _____

14. $3 \div \frac{1}{2} =$ _____

15. $4\frac{1}{5} \div 1\frac{1}{4} =$ _____

16. $\frac{6}{8} \div \frac{1}{4} =$ _____

17. Jackson filled bags with candy to give to his classmates. He filled each bag with $\frac{1}{4}$ of a pound of candy. He had 3 pounds of candy. Would he have enough bags to give to 20 students?

18. Missy placed $\frac{3}{4}$ of a yard of ribbon around a bouquet of flowers. She had $5\frac{1}{2}$ yards of ribbon. How many bouquets could she put ribbon around?

Solve.

1. $\begin{array}{r} \$1,285.79 \\ + \$2,391.82 \\ \hline \end{array}$

2. $\begin{array}{r} 32.105 \\ - 15.019 \\ \hline \end{array}$

3. $\begin{array}{r} 50.12 \\ \times \quad 3 \\ \hline \end{array}$

4. $\begin{array}{r} \$150.00 \\ - \$79.35 \\ \hline \end{array}$

5. $4 \times 2.175 = \underline{\hspace{2cm}}$

6. $\frac{3}{4} \times \frac{5}{6} = \underline{\hspace{2cm}}$

7. $1,518 \div 6 = \underline{\hspace{2cm}}$

8. $\frac{6}{9} \div \frac{1}{3} = \underline{\hspace{2cm}}$

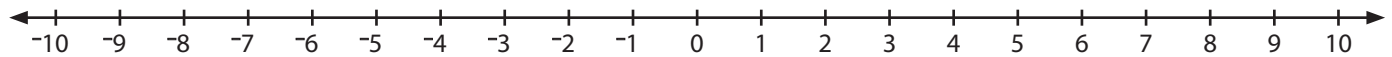
9. $3 \overline{)4,560}$

10. $25 \overline{)8,175}$

11. $47 \overline{)16.215}$

12. $19 \overline{)116.28}$

Use the number line to solve.



13. $3 + ^{-}1 = \underline{\hspace{2cm}}$

14. $^{-}4 + ^{-}5 = \underline{\hspace{2cm}}$

15. $^{-}6 + 1 = \underline{\hspace{2cm}}$

16. $^{-}4 + 4 = \underline{\hspace{2cm}}$

Solve.

17. $n + 8 = 12$
 $\underline{\hspace{2cm}}$

18. $\frac{n}{4} = \frac{25}{100}$
 $\underline{\hspace{2cm}}$

19. $3n = 18$
 $\underline{\hspace{2cm}}$

20. $36 \div 9 = n$
 $\underline{\hspace{2cm}}$

Make a stem-and-leaf plot with the data. Use the data to answer the questions.

Mr. Arnold recorded the number of emergency calls that were placed over a 10-day period in March.

Calls	70	82	74	70	69	76	75	80	78	73
Day	1	2	3	4	5	6	7	8	9	10

- What is the range of the calls? _____
- What is the mean? _____
- What is the mode? _____
- What is the median? _____

Use the picture to answer the questions.

1. What is the ratio of vegetables to tuna?

2. What is the ratio of animal crackers to chips?

3. What is the ratio of rice mix to animal crackers?

4. What is the ratio of canned food to total food items?



Write each ratio as a fraction in lowest terms.

5. 6 boys to 8 girls

6. 1 c brown sugar to 2 c orange juice

7. 2 c gelatin to 5 c strawberries

8. 3 adults to 18 children

9. 15 elephants to 25 mice

10. 3 piano players to 21 brass players

Write a comparison sentence using = or \neq .

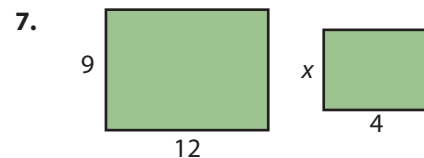
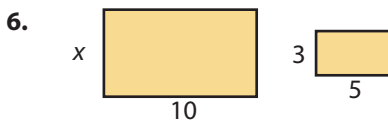
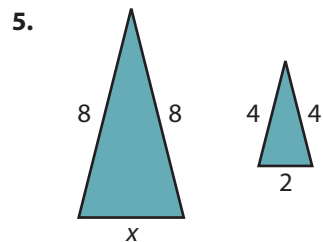
1. $\frac{1}{2} \bigcirc \frac{2}{4}$

2. $\frac{1}{3} \bigcirc \frac{3}{7}$

3. $\frac{81}{72} \bigcirc \frac{17}{26}$

4. $\frac{9}{12} \bigcirc \frac{3}{5}$

Find the missing measurement.



Find the missing term that completes the equivalent ratio.

8. $\frac{3}{4} = \frac{q}{100}$

9. $\frac{2}{q} = \frac{4}{16}$

10. $\frac{2}{3} = \frac{6}{q}$

11. $\frac{65}{85} = \frac{13}{q}$

12. $\frac{84}{108} = \frac{q}{9}$

13. $\frac{q}{56} = \frac{6}{8}$

Write the fraction as a percent.

1. $\frac{1}{4} =$ _____

2. $\frac{1}{2} =$ _____

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

4. $\frac{1}{5} =$ _____

Find the percent of the number.

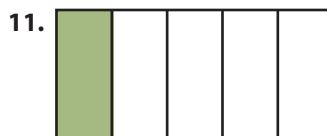
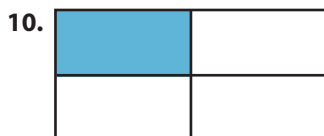
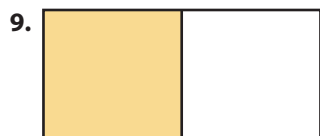
5. 50% of 80 = _____

6. 25% of \$4.00 = _____

7. 10% of \$8.00 = _____

8. 75% of 40 = _____

Estimate the percent shaded for the rectangle.



Write the number as a percent.

13. $\frac{50}{100} =$ _____

14. 0.64 = _____

15. $\frac{15}{100} =$ _____

16. 0.09 = _____

Solve.

17. John got 85% of his test correct. What percent did he miss?

18. Five out of 25 children play soccer. What percent of children play soccer?

19. Kyle earned \$16.00. He wants to put 10% of it in the offering. How much money will he put in the offering?

20. Annie scored 25% of the game points. The total number of points was 40. How many points did she score?

Write the ordered pair for the point.

1. *A* _____

2. *B* _____

3. *C* _____

4. *D* _____

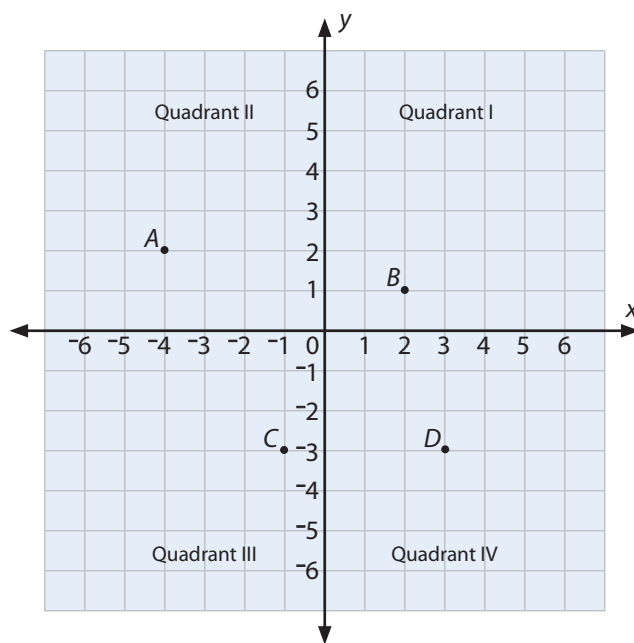
Name the quadrant in which the point is located.

5. *A* _____

6. *B* _____

7. *C* _____

8. *D* _____



Write the answer using **647,325,689,038**.

1. Write the value of the 5 in standard form. _____
2. Write the digit in the Hundred Billions place. _____
3. Round to the nearest one billion. _____
4. Write the 3 digits in the Thousands period. _____

Write a comparison sentence using **>**, **<**, or **=**.

5. 124 million ○ 1 billion
6. 21.8 ○ 21.09
7. twenty-one million ○ 9,475,389

Write the numbers from *least to greatest*.

8.

784,983	7,840,983	7,850,983	7,849,983
---------	-----------	-----------	-----------

9.

3,721	3.721	372.1	37.21
-------	-------	-------	-------

Round the number to the greatest place.

10. 453,279 _____
11. 1,982,400 _____
12. 820,761,398 _____
13. 4.7 _____

Write the number in **standard form**.

14. five hundred thirty-two billion, one million, four hundred twenty-seven thousand, ninety-six = _____
15. $200,000,000 + 40,000,000 + 8,000,000 + 300,000 + 60,000 + 9,000 + 100 + 50 + 7 =$ _____
16. $10 \text{ billions} + 427 \text{ millions} + 801 \text{ thousands} + 119 \text{ ones} =$ _____
17. $(7 \times 100,000) + (4 \times 10,000) + (3 \times 1,000) + (9 \times 100) + (5 \times 10) + (2 \times 1) =$ _____

Solve. Write the answer in lowest terms.

1. $\frac{5}{6} \div \frac{1}{3} =$ _____

2. $\frac{4}{8} \div 2 =$ _____

3. $3\frac{1}{2} \div 1\frac{1}{4} =$ _____

4. $\frac{6}{8} \div \frac{1}{2} =$ _____

5. $4 \times \frac{3}{4} =$ _____

6. $\frac{3}{6} \times \frac{2}{5} =$ _____

7. $5\frac{1}{3} \times 2\frac{1}{4} =$ _____

8. $\frac{3}{5} \times \frac{4}{9} =$ _____

9.
$$\begin{array}{r} \frac{3}{9} \\ + \frac{2}{3} \\ \hline \end{array}$$

10.
$$\begin{array}{r} 6\frac{1}{2} \\ + 2\frac{3}{5} \\ \hline \end{array}$$

11.
$$\begin{array}{r} 9\frac{4}{5} \\ + 2\frac{3}{5} \\ \hline \end{array}$$

12.
$$\begin{array}{r} 8\frac{1}{5} \\ + \frac{6}{20} \\ \hline \end{array}$$

13.
$$\begin{array}{r} \frac{9}{12} \\ - \frac{4}{12} \\ \hline \end{array}$$

14.
$$\begin{array}{r} 4\frac{7}{10} \\ - 2\frac{3}{5} \\ \hline \end{array}$$

15.
$$\begin{array}{r} 7 \\ - 3\frac{1}{2} \\ \hline \end{array}$$

16.
$$\begin{array}{r} 10\frac{3}{4} \\ - 5\frac{2}{3} \\ \hline \end{array}$$

Determine whether the fraction is closest to 0, $\frac{1}{2}$, or 1.

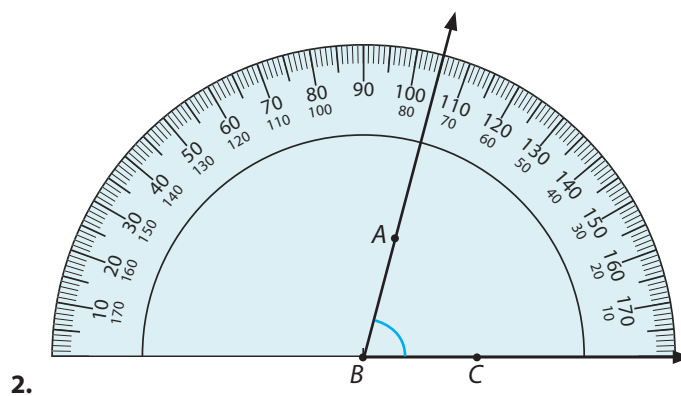
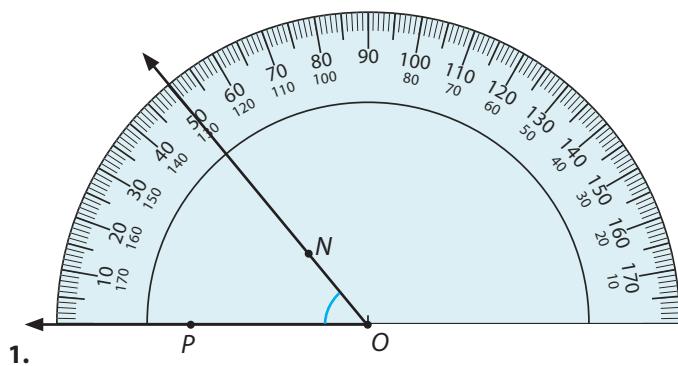
17. $\frac{6}{10}$ _____

18. $\frac{9}{10}$ _____

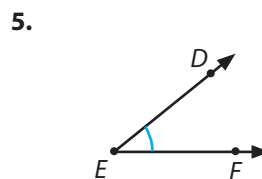
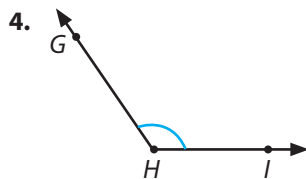
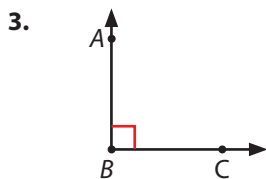
19. $\frac{1}{10}$ _____

20. $\frac{5}{10}$ _____

Write the measure of the angle.

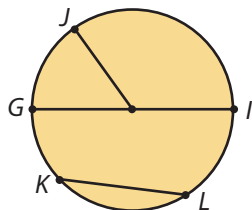


Classify the angle as **acute**, **obtuse**, **right**, or **straight**.

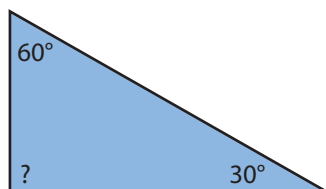


Use the figure to find the answer.

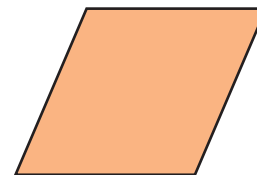
7. Name the diameter.



8. Find the measure of the unknown angle.



9. Name the shape.



Use mental math to solve.

1. $10 \times 15.3 =$ _____

2. $100 \times 0.247 =$ _____

3. $10 \times 4.5 =$ _____

4. $100 \times 23 =$ _____

5. $89.5 \div 10 =$ _____

6. $241.3 \div 100 =$ _____

7. $894 \div 10 =$ _____

8. $52.47 \div 100 =$ _____

Solve.

9.
$$\begin{array}{r} 2.45 \\ \times 3 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 398.01 \\ + 45.732 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 42.1 \\ - 3.87 \\ \hline \end{array}$$

12. $8 - 3.804 =$ _____

13. $50 \overline{)6}$

14. $21 \overline{)71.4}$

15. $12 \overline{)6.48}$

16. $9 \overline{)56.25}$

Write the fraction as a decimal.

17. $\frac{3}{4} =$ _____

18. $\frac{5}{10} =$ _____

19. $\frac{2}{5} =$ _____

20. $\frac{1}{4} =$ _____

Write an algebraic expression for the word phrase.

1. seven times an unknown number _____
2. three more than a number _____
3. four less than five times n _____
4. six more than 2 times a number _____

Evaluate the expression if $n = 5$.

5. $3n$ _____
6. $8 + n$ _____
7. $\frac{15}{n}$ _____
8. $20 - n$ _____

Simplify the expression.

9. $a + a =$

10. $(2 + 4) + n =$

11. $3(4x) =$

12. $8 + y + 2 =$

Complete the table.

13.

x	$3x$
2	
5	
7	

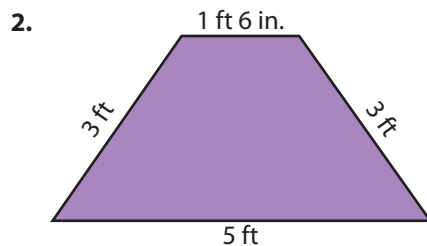
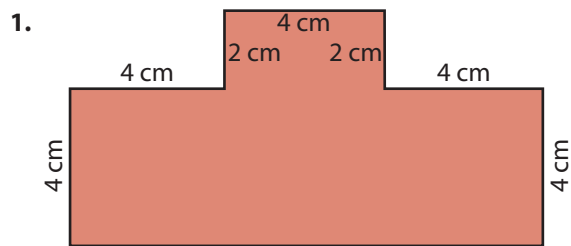
14.

a	a^2
4	
6	
8	

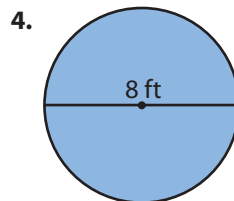
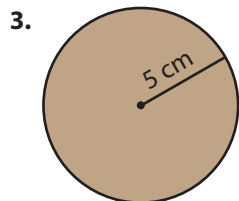
15.

n	$2n + 3$
7	
9	
10	

Find the perimeter of the figure.



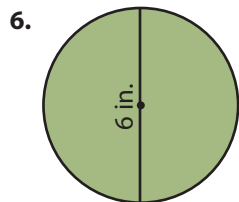
Write the formula. Find the circumference of the circle.



Find the area of the figure.



Write the formula. Find the area of the circle.



Find the unit rate.

1. The Laphams drove 315 miles and used 15 gallons of gas. _____
2. Marcus earned \$40.00 cleaning several cars. He worked 5 hours. _____
3. Mrs. Bowers bought 8 pounds of bananas for \$4.72. _____
4. The team traveled 1,450 miles in two days. _____

Find the distance traveled in the given time.

5. 4 days at 350 mi/d = _____
6. 5 hours at 65 mi/hr = _____

Write a ratio.

7. 3 cans for \$2.00

8. 2 bags for \$3.00

9. one computer for every 2 students

Write the percent as a decimal and as a fraction in lowest terms.

10. 78% = _____ = _____
11. 50% = _____ = _____
12. 4% = _____ = _____

Write a proportion to find an equivalent ratio.

Answer the question.

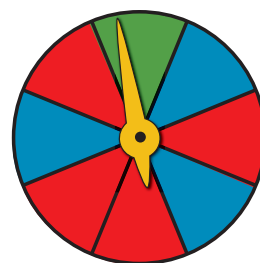
13. It takes Mrs. Snow 2 hours to grade 50 math pages.
At this rate, how long would it take her to grade 100 math pages?
14. It takes Brian 25 minutes to complete a math page.
At this rate, how long would it take him to complete 4 math pages?

Use the spinner to find the answer.

1. What color is the spinner most likely to land on? Write a fraction and a percent to show the probability.

2. Find the probability of the spinner landing on blue. Write a fraction and a percent.

3. Find the probability of the spinner landing on green. Write a fraction and a percent.



Answer the questions.

4. What are the possible combinations for a pizza with two different toppings?

5. What is the number of possibilities?

pepperoni



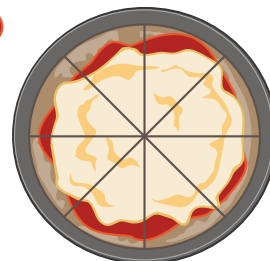
olives



sausage



mushrooms



Write the numbers in order from *least* to *greatest*.

1.

0	-1	-3	4
---	----	----	---

2.

15	0	-12	-8
----	---	-----	----

3.

-15	15	13	-12
-----	----	----	-----

4.

-8	-14	8	19
----	-----	---	----

Write a comparison sentence using **>**, **<**, or **=**.

5. $-30 \bigcirc 29$

6. $-21 \bigcirc 0$

7. $18 \bigcirc -45$

8. $48 \bigcirc -48$

9. $3 + -2 \bigcirc 5$

10. $-2 + -5 \bigcirc -4$

11. $-3 + 7 \bigcirc -3 + 4$

12. $8 - 2 \bigcirc 10 + -4$

Find the sum.

13. $-9 + -1 =$ _____

14. $-8 + 5 =$ _____

15. $7 + -4 =$ _____

16. $-9 + -5 =$ _____

Subtract.

17. $8 - -2 =$ _____

18. $-3 - 8 =$ _____

19. $9 - 15 =$ _____

20. $-3 - -1 =$ _____