

Homework

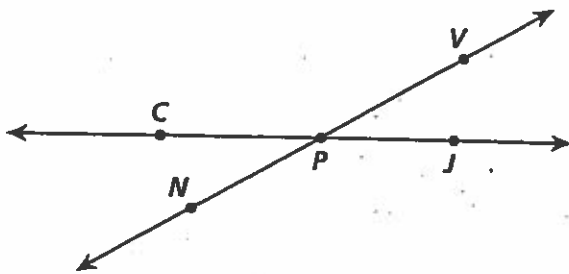
1. Use your ruler. Draw two lines that intersect. Label the lines and their point of intersection.

2. Name all the lines in your drawing.

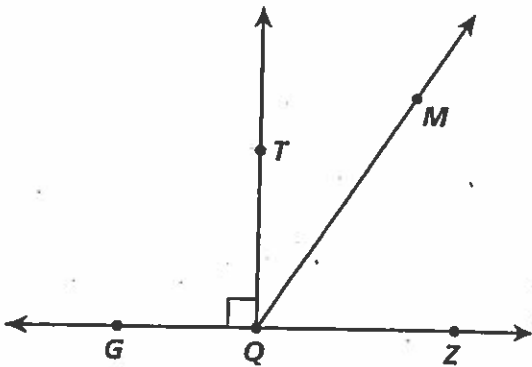
3. Name four rays in your drawing.

4. Name four angles in your drawing.

5. Name two pairs of vertical angles formed by the intersecting lines below.



Use this diagram for exercises 6-9.



6. Which angles are complementary angles?

8. Which angle is a straight angle?

7. Which angles are supplementary angles?

9. Which angles are right angles?

Remembering

Solve.

1. $28 \div 4 = \underline{\quad}$ 2. $2 \times 9 = \underline{\quad}$ 3. $54 \div 6 = \underline{\quad}$ 4. $8 \times 0 = \underline{\quad}$

5. $5 \times 5 = \underline{\quad}$ 6. $63 \div 7 = \underline{\quad}$ 7. $3 \times 4 = \underline{\quad}$ 8. $20 \div 5 = \underline{\quad}$

9. $81 \div 9 = \underline{\quad}$ 10. $12 \times 1 = \underline{\quad}$ 11. $15 \div 3 = \underline{\quad}$ 12. $6 \times 5 = \underline{\quad}$

13. $3 \times 7 = \underline{\quad}$ 14. $18 \div 2 = \underline{\quad}$ 15. $7 \times 6 = \underline{\quad}$ 16. $45 \div 9 = \underline{\quad}$

17. $80 \div 8 = \underline{\quad}$ 18. $4 \times 8 = \underline{\quad}$ 19. $0 \div 4 = \underline{\quad}$ 20. $9 \times 1 = \underline{\quad}$

21. Ah Lam and George worked on a puzzle from 5:27 P.M. to 7:11 P.M. How long did they work on the puzzle?

22. Deacon's baby brother began napping at 12:17 P.M. He slept for 2 hours and 12 minutes. What time did he wake up?

23. Rebecca and her friends finished watching a movie at 2:25 P.M. The movie was 1 hour and 43 minutes long. At what time did they start the movie?

24. The Diaz family left to visit with friends at 10:43 A.M. They arrived at their friends' home at 1:09 P.M. How long was the trip?

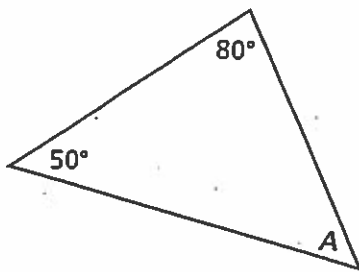
Homework

Complete each statement.

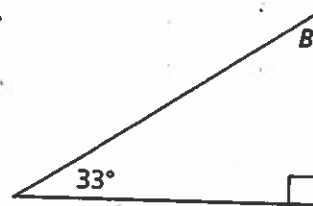
- The total of the angle measures of a _____ is always 180° .
- The total of the angle measures of a _____ is always 360° .

Write the measure of the unknown angle.

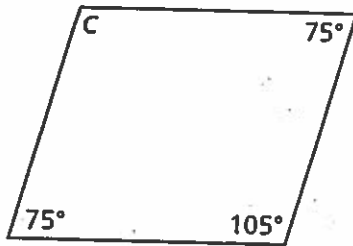
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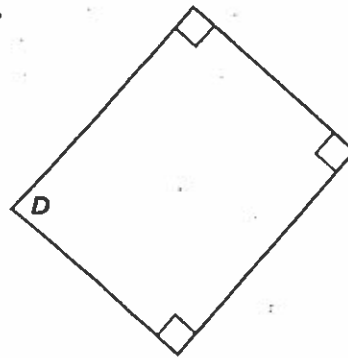
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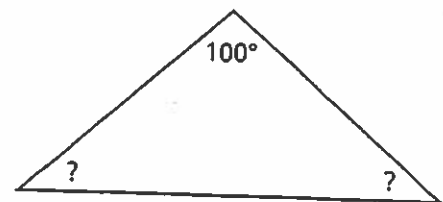
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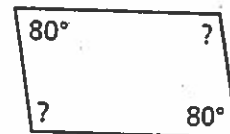
6.



- One angle measure in an isosceles triangle is 100° . What is the measure of each of the other angles?
- _____



- Two angle measures in a parallelogram are 80° . What is the measure of each of the other angles?
- _____



Remembering

Solve.

1. $2 \times 3 =$ _____

2. $77 \div 7 =$ _____

3. $8 \times 6 =$ 48

4. $10 \div 1 =$ 10

5. $49 \div 7 =$ _____

6. $10 \times 4 =$ _____

7. $4 \div 2 =$ 2

8. $7 \times 0 =$ 0

9. $4 \times 4 =$ _____

10. $64 \div 8 =$ _____

11. $1 \times 3 =$ 3

12. $12 \div 3 =$ 4

13. $10 \div 2 =$ _____

14. $8 \times 3 =$ _____

15. $6 \div 1 =$ 6

16. $2 \times 10 =$ 20

17. $11 \times 1 =$ _____

18. $72 \div 8 =$ _____

19. $7 \times 5 =$ 35

20. $0 \div 6 =$ 0

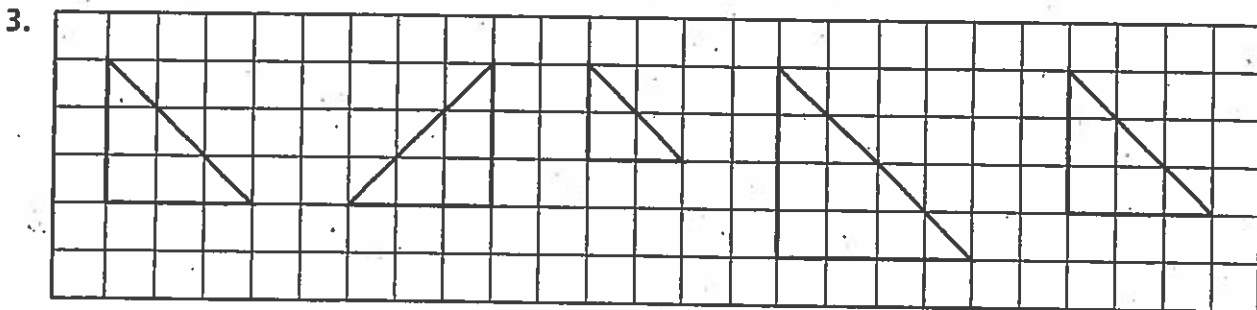
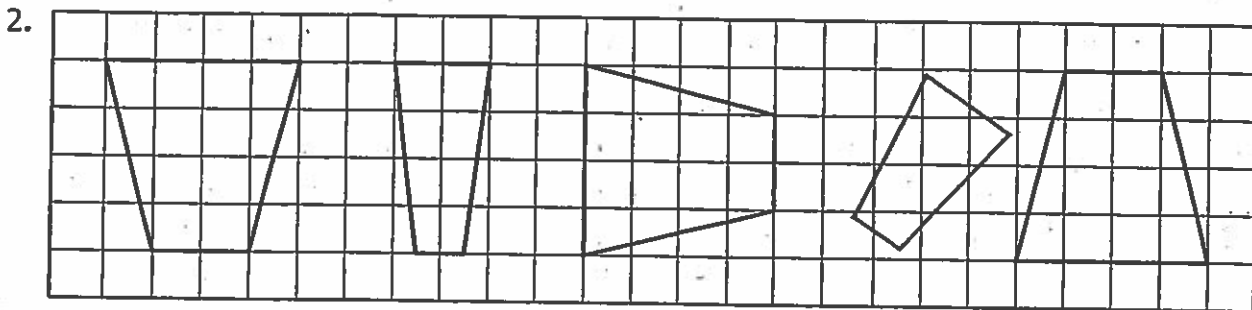
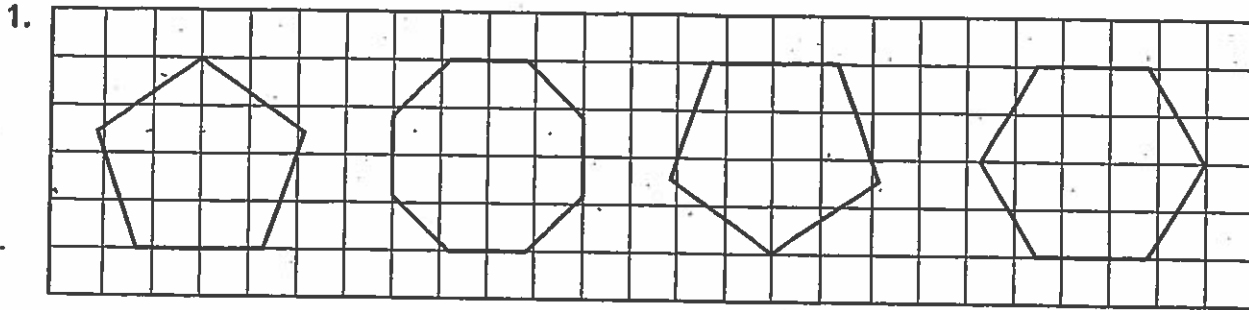
21. The Smiths hiked a trail marked "2 hours and 30 minutes." They took a 20-minute break. If they arrived at the end of the trail at 5:15 P.M., at what time did they start their hike?
-

22. A play runs for 1 hour and 56 minutes. Part way through the play, there is a 15-minute break. If the play started at 4:30 P.M., what time will it finish?
-

23. Kuri watched a movie that was 2 hours and 13 minutes long. She stopped the movie for 17 minutes. If she started watching at 11:30 A.M., at what time was her movie finished?
-

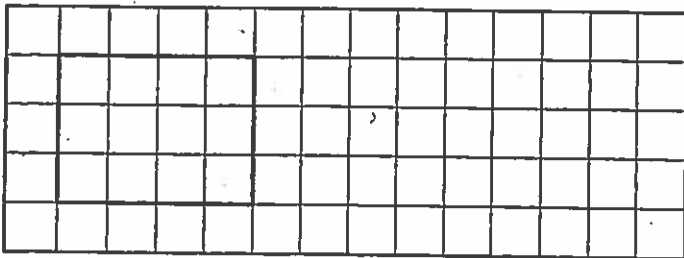
Homework

In each row, circle all of the figures that look congruent.



Write *always*, *sometimes*, or *never* to complete each statement.

4. A quadrilateral _____ has exactly two congruent angles.
5. A quadrilateral _____ has exactly three congruent angles.
6. Draw a figure that is congruent to the figure below.



Remembering

Solve.

- | | | |
|--|--------------------------------------|---|
| 1. $0.123 + 1.30 = \underline{1.423}$ | 2. $4.50 - 3.50 = \underline{1.00}$ | 3. $1.27 + 2.40 = \underline{3.67}$ |
| 4. $10.405 - 9.10 = \underline{1.305}$ | 5. $2.8 + 2.7 = \underline{5.5}$ | 6. $5.6 - 1.2 = \underline{4.4}$ |
| 7. $3.08 + 4.10 = \underline{7.18}$ | 8. $10.39 - 8.40 = \underline{1.99}$ | 9. $8.54 + 2.039 = \underline{10.579}$ |
| 10. $15.45 - 10.157 = \underline{5.293}$ | 11. $0.87 + 0.10 = \underline{0.97}$ | 12. $12.78 - 3.43 = \underline{9.35}$ |
| 13. $7.609 - 2.01 = \underline{5.599}$ | 14. $18.0 - 15.5 = \underline{2.5}$ | 15. $20.05 + 10.05 = \underline{30.10}$ |
| 16. $13.93 - 10.70 = \underline{3.23}$ | 17. $9.7 + 1.2 = \underline{10.9}$ | 18. $10.19 - 3.2 = \underline{6.99}$ |

Complete the statements.

19. The total of the measures of two adjacent supplementary angles is 180° .
20. The total of the measures of two complementary angles is 90° .
21. A parallelogram is a quadrilateral with two pairs of parallel sides.
22. A rectangle is a quadrilateral with four right angles.
23. A line is a set of points forming a straight path extending infinitely in opposite directions.
24. A ray is part of a line beginning at an endpoint and extending infinitely in one direction.
25. Two rays that share an endpoint form a(n) angle.

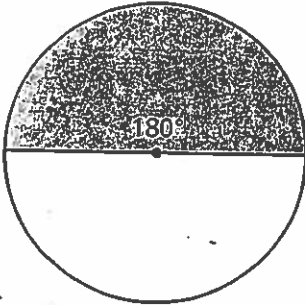
Write true or false.

26. A quadrilateral can have each of 4 angles a different measure. True
27. A ray extends infinitely in both directions. False
28. A polygon has sides that are line segments. True

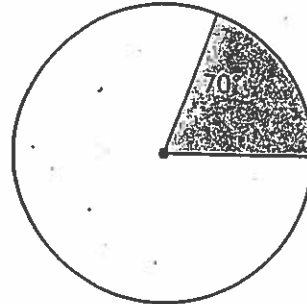
Homework

The measure of each shaded angle is given. Write the measure of each angle that is not shaded.

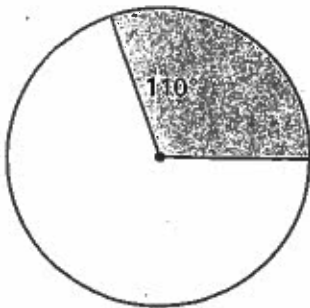
1.



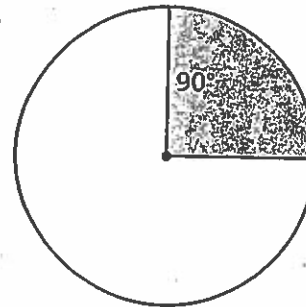
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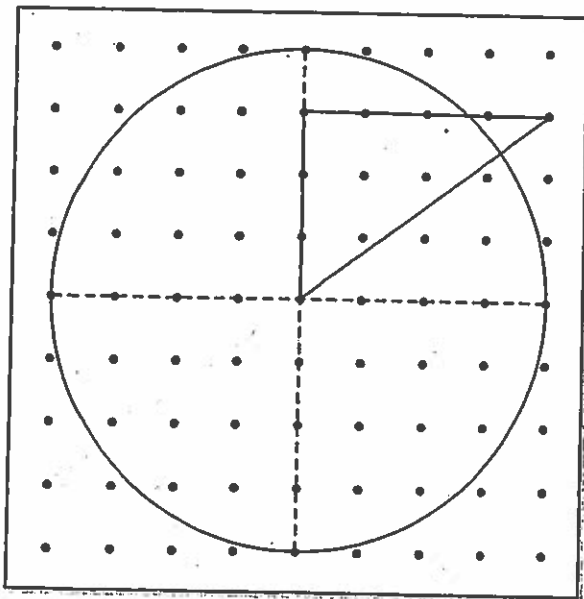
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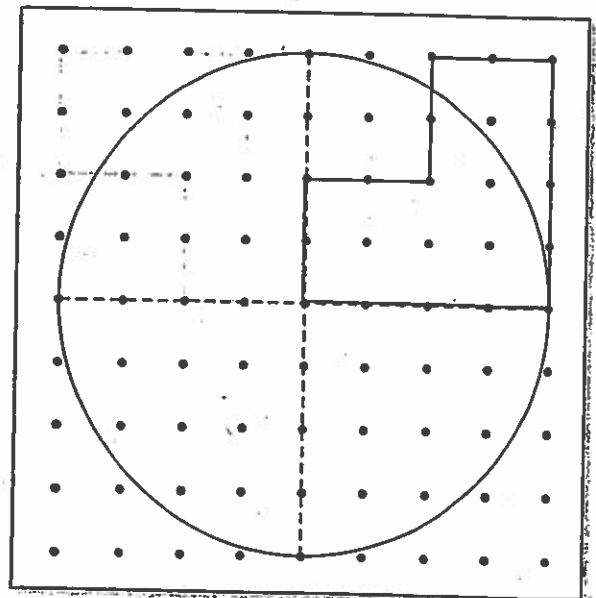
4.



5. Draw the figure after a turn of 180° clockwise.



6. Draw the figure after a turn of 90° counterclockwise.



Remembering

Solve.

1. $4.09 + 4.38 = \underline{\hspace{2cm}}$

2. $5.6 - 1.8 = \underline{\hspace{2cm}}$

3. $16.0 + 2.316 = \underline{\hspace{2cm}}$

4. $3.34 + 9.01 = \underline{\hspace{2cm}}$

5. $11.70 - 10.358 = \underline{\hspace{2cm}}$

6. $8.87 - 4.56 = \underline{\hspace{2cm}}$

7. $0.43 + 1.07 = \underline{\hspace{2cm}}$

8. $14.4 - 6.2 = \underline{\hspace{2cm}}$

9. $14.34 + 11.48 = \underline{\hspace{2cm}}$

10. $7.40 + 1.93 = \underline{\hspace{2cm}}$

11. $13.4 - 6.28 = \underline{\hspace{2cm}}$

12. $8.7 - 4.3 = \underline{\hspace{2cm}}$

Solve the Factor Puzzles.

13.

| | |
|----|----|
| 72 | |
| 27 | 15 |

14.

| | |
|----|---|
| | 6 |
| 28 | 8 |

15.

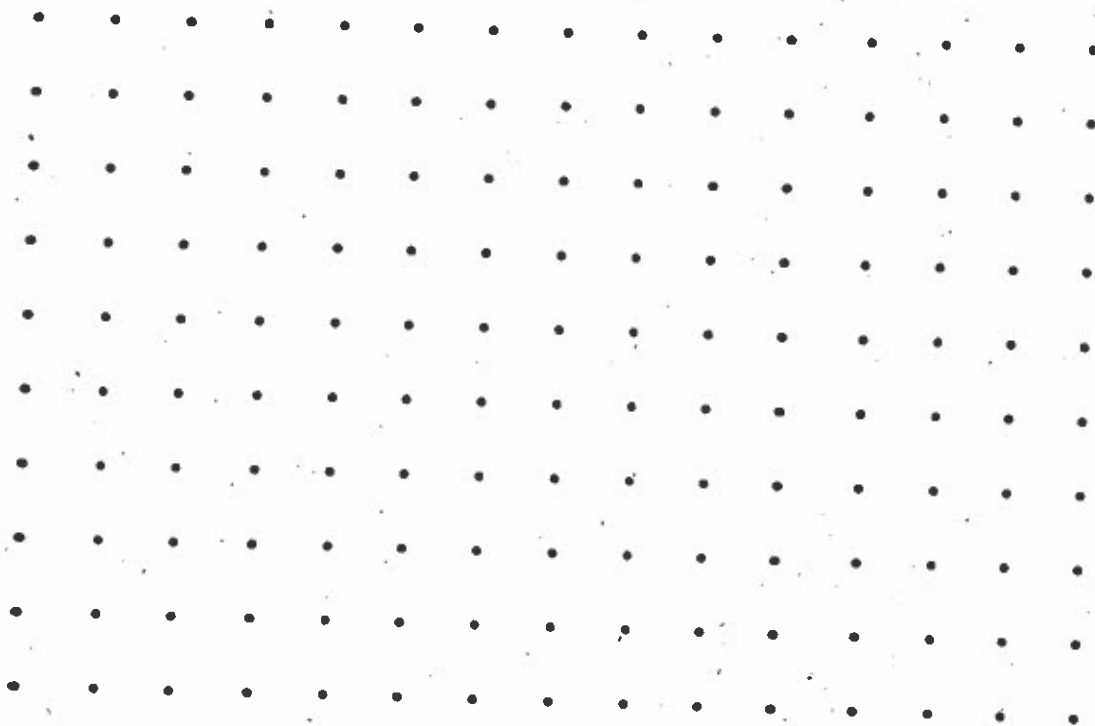
| | |
|---|----|
| 8 | 16 |
| | 72 |

Complete the statements.

16. A _____ angle has a measure of 180° .
17. A(n) _____ angle has a measure less than 90° .
18. A(n) _____ angle has a measure greater than 90° and less than 180° .
19. _____ angles are pairs of opposite and congruent angles formed by intersecting lines.
20. A _____ angle has a measure of 90° .
21. _____ lines are always the same distance apart.
22. Lines that form right angles at the point of intersection are _____ lines.
23. _____ lines are lines that form acute or obtuse angles at the point of intersection.

Homework

1. In the space below, draw a figure that has at least one line of symmetry.



Consider these letters of the alphabet.

A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z

2. Which letters have line symmetry?

3. Which letters have rotational symmetry?

4. Which letters have line symmetry and rotational symmetry?

Remembering

Solve for the unknown number.

1. $1.4 + a = 5.7$ _____

2. $e - 1 = 1.75$ _____

3. $b + 0.25 = 1$ _____

4. $2.54 - m = 1.50$ _____

5. $5.6 + c = 6.0$ _____

6. $n - 3.7 = 1.7$ _____

7. $p + 10.01 = 10.45$ _____

8. $3.9 - d = 1.2$ _____

9. $0.5 + s = 0.8$ _____

10. $t - 4.13 = 0.40$ _____

11. $y + 0.8 = 4.1$ _____

12. $5.87 - h = 4.33$ _____

13. $7.4 + r = 9.5$ _____

14. $f - 9.7 = 4.3$ _____

15. $x + 1.88 = 4.91$ _____

16. $8.69 - g = 5.82$ _____

17. $10.04 + k = 11.00$ _____

18. $w - 5.0 = 11.73$ _____

19. What is the measure of the base of a triangle that has a height of 8 centimeters and an area of 24 square centimeters? Explain your thinking.

20. What is the measure of the length of a rectangle that has a width of 2 meters and a perimeter of 14 meters? Explain your thinking.

Round each decimal to the nearest whole number.

21. 12.3 _____

22. 25.6 _____

23. 19.8 _____

24. 10.45 _____

25. 99.9 _____

26. 100.09 _____

27. 41.67 _____

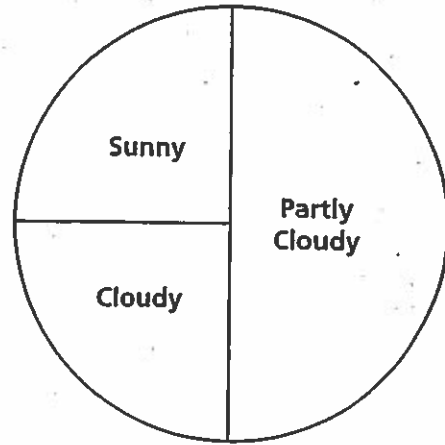
28. 35.70 _____

29. 50.51 _____

Homework

Use the circle graph to answer questions 1-3.

Annual Honolulu Weather



1. Which types of days occur equally often, according to the graph?

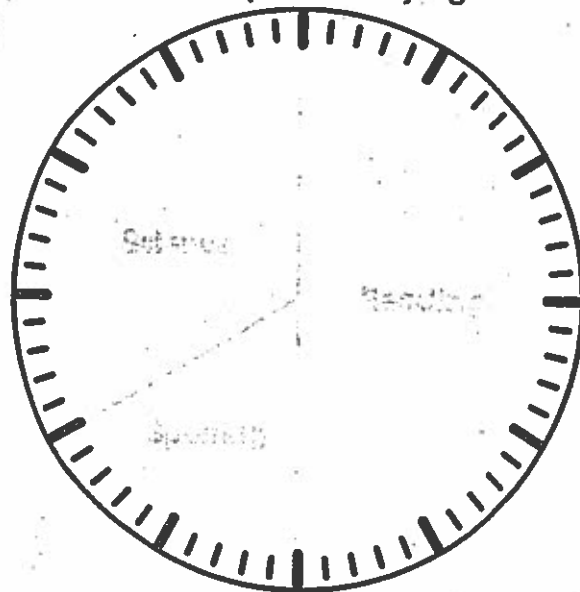
2. If you visited Honolulu for ten days, how many of those days would you expect it to be partly cloudy? Explain your reasoning.

3. Out of the 365 days in a year, about how many sunny days would you expect in Honolulu? How do you know?

4. Last night, Sharise studied for 60 minutes. The table below shows the subjects she studied and how long she studied each subject. Show the data on this circle graph.

Time Spent Studying

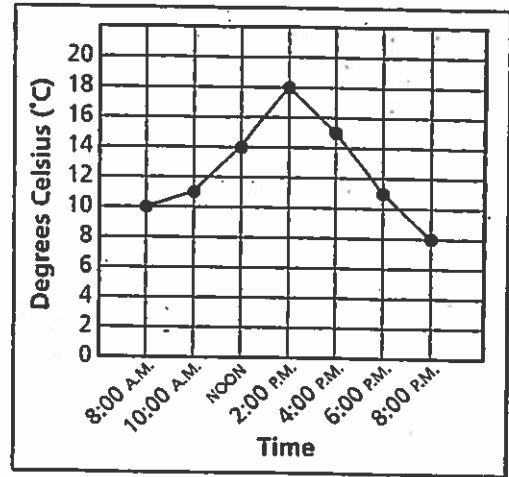
| Time Spent Studying | |
|---------------------|------------|
| Subject | Time |
| Science | 20 minutes |
| Reading | 30 minutes |
| Spelling | 10 minutes |



Remembering

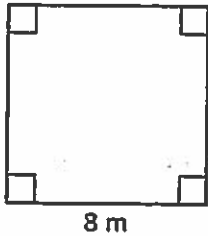
Use the line graph to answer each question.

1. What was the temperature at 10:00 A.M.? _____
2. What was the temperature at noon? _____
3. What was the temperature at 4:00 P.M.? _____
4. At what time was the temperature 18°C? _____
5. What is the highest temperature? _____
6. What is the lowest temperature? _____

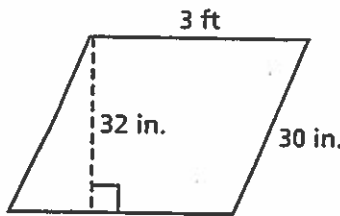


Find the perimeter of each figure.

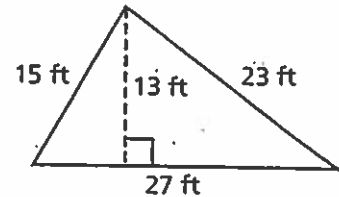
7.



8.



9.



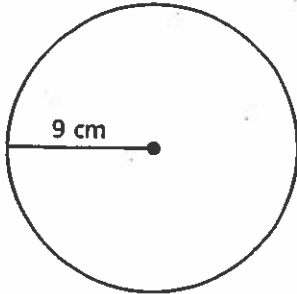
10. What is the measure of the side length of a square that has an area of 49 square centimeters? Explain your thinking.

11. What is the measure of the base of a triangle that has side lengths of 3 meters and 2 meters, and a perimeter of 9 meters? Explain your thinking.

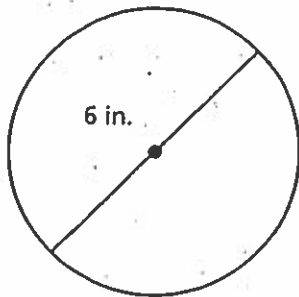
Homework

Use the given measures to estimate the circumference of each circle. Use 3 for π .

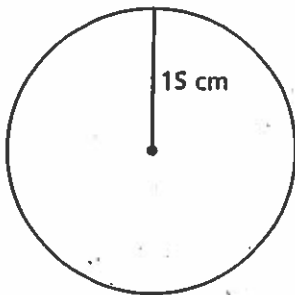
1.



2.



3.



4. The circumference of a circle is 24 meters. About how long is a diameter of that circle?

5. The circumference of a circle is 30 inches. About how long is a radius of that circle?

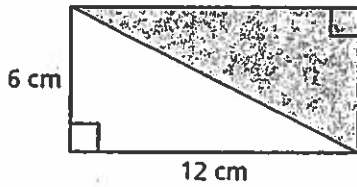
Remembering

Solve for the unknown.

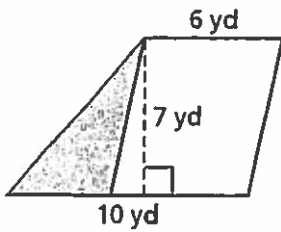
- | | | |
|-----------------------------------|-----------------------------------|------------------------------------|
| 1. $z + 0.02 = 0.94$ <u>0.92</u> | 2. $12.4 - b = 8.5$ <u>3.9</u> | 3. $3.46 + d = 4.10$ <u>0.64</u> |
| 4. $p - 8.0 = 4.9$ <u>12.9</u> | 5. $m + 0.57 = 0.61$ <u>0.04</u> | 6. $2.44 - w = 1.00$ <u>1.44</u> |
| 7. $14.1 + e = 16.0$ <u>1.9</u> | 8. $n - 3.00 = 7.29$ <u>10.29</u> | 9. $a + 0.3 = 1.2$ <u>0.9</u> |
| 10. $8.56 - h = 2.50$ <u>6.06</u> | 11. $4.4 + h = 5.5$ <u>1.1</u> | 12. $s - 8.21 = 5.47$ <u>13.68</u> |
| 13. $r + 14.1 = 18.7$ <u>4.6</u> | 14. $7.8 - x = 6.9$ <u>0.9</u> | 15. $0.51 + t = 1.00$ <u>0.49</u> |
| 16. $y - 0.4 = 0.1$ <u>0.5</u> | 17. $c + 7.16 = 9.01$ <u>1.85</u> | 18. $1.32 - f = 0.74$ <u>0.58</u> |

Find the area of each shaded region. Explain your thinking.

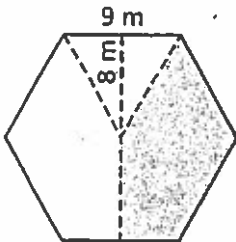
19.



20.

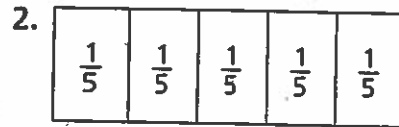
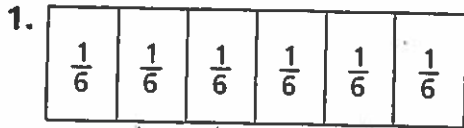


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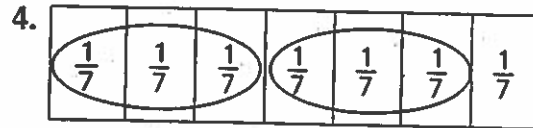
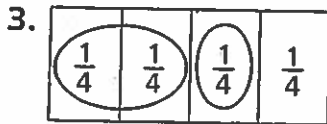


Homework

Write an equation that shows the total of all the unit fractions.
Each bar is 1 whole.



Write an equation that shows the total of the circled parts.



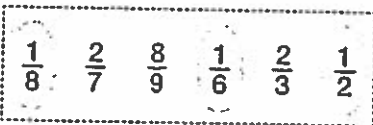
Add.

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

6. $\frac{2}{7} + \frac{3}{7} =$ _____

7. $\frac{3}{9} + \frac{2}{9} + \frac{1}{9} + \frac{2}{9} =$ _____

8. Circle the unit fractions.



9. Put hats on $\frac{3}{5}$ of the heads.



10. This car is $\frac{1}{5}$ of the train.

Use rectangles to draw the whole train.



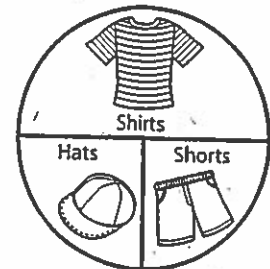
Use the circle graph to answer questions 11–12.

11. What fraction of the clothes are hats? _____

12. What fraction of the clothes are shirts? _____

13. I practiced soccer for $\frac{1}{4}$ hour and volleyball for $\frac{2}{4}$ hour.
What fraction of an hour did I practice? _____

14. The porch floor has 9 identical boards. Jody painted 4 boards and Chris painted 3 boards. What fraction of the porch floor have they painted so far? _____



Remembering

Find the unknown numbers.

1. $3d = 21$

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

4. $7 \times (6 + 3) = t$

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

7. $32 + p = 40$

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

2. $4d + 1 = 17$

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

5. $63 \div s = 7$

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

8. $v \div 7 = 56$

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

3. $z = (8 \times 8) + (2 \times 5)$

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

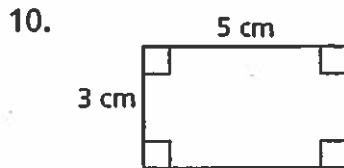
6. $\frac{1}{6}k = 8$

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

9. $4r - 4 = 8$

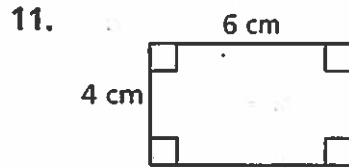
$r = \underline{\hspace{2cm}}$

Find the perimeter and area.



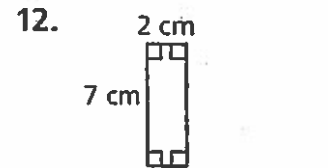
$P = \underline{\hspace{2cm}}$

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



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

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



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

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

Solve.

Show your work.

13. A group of scientists discovered 9 stegosaurus footprints and 6 times as many tyrannosaurus footprints. How many dinosaur footprints were there altogether?
- _____

14. The scientists discovered 21 tyrannosaurus eggs. Some eggs were broken. There were 6 times as many unbroken eggs as broken eggs. How many eggs were not broken?
- _____