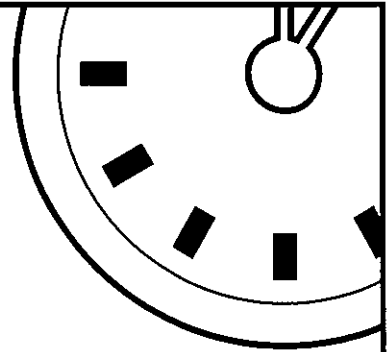


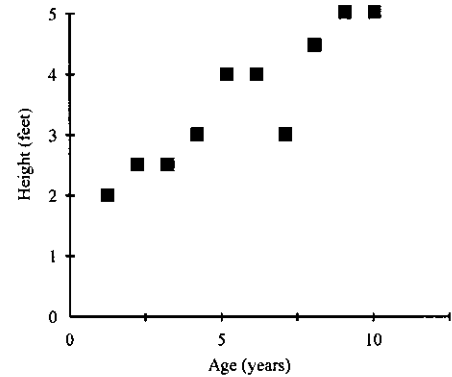
NAME: _____



MINUTE 41

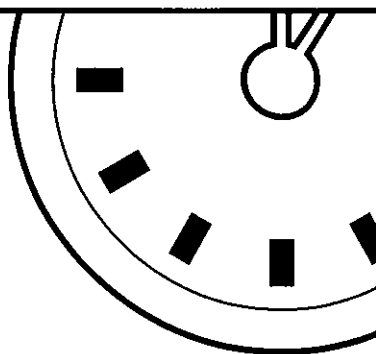


Use the graph to complete Problems 1–4.



1. About how tall is the 5-year-old? _____
2. In general, the relationship between age and height is:
a. positive b. negative c. not related
3. How tall is the tallest child in this survey? _____
4. How old is the oldest child in this survey? _____
5. If $\frac{m}{7} = 42$, then $m =$ _____.
6. If $4(x + 2) = 36$, then $x =$ _____.
7. If $r = 20$ and $t = 4$, find d if $d = rt$. $d =$ _____
8. If $\sqrt{x} = 8$, then $x =$ _____.
9. 21 yards = _____ feet
10. 2.5 feet = _____ inches

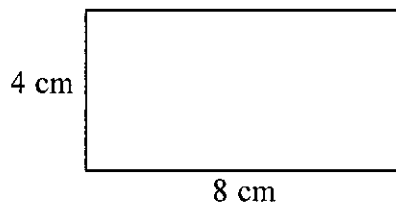
NAME: _____



MINUTE 43

1. If $\frac{2}{10} = \frac{1}{a}$, then $a =$ _____.

2. What is the perimeter of the rectangle? _____



3. To find the perimeter of a shape, you _____ all the sides together.
a. add b. subtract c. multiply d. divide

4. Which analogy is similar to Carpet : Area?
a. Roof : Perimeter b. Yard : Perimeter
c. Wrapping Paper : Perimeter d. Fence : Perimeter

5. What is the probability of rolling a 5 on a six-sided number cube? _____

6. What is the probability of rolling an even number on a number cube? _____

7. What is the perimeter of a rectangle with a length of 6 and a width of 5? _____

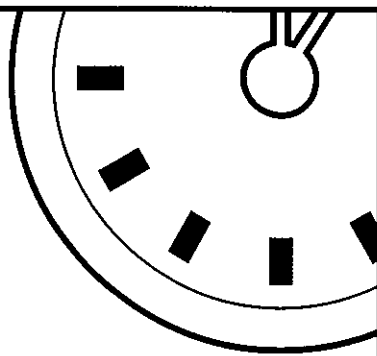
8. $\frac{-3}{7} + \frac{-3}{7} =$

Use the following information to complete Problems 9–10.

If a computer were to pick a letter at random from the word *mathematics*, what is the probability that it would choose:

9. the letter *s*? _____

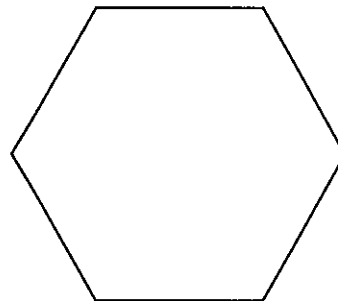
10. the letter *m*? _____



MINUTE 45

1. Find the answer for x that makes this number sentence true: $2x + 9 > 11$.
- a. 0 b. -5 c. 10 d. -8

2. What is the perimeter of an octagon if each side is 7 inches in length? _____



3. Which of these could be the area of a shape?
- a. 25 m b. 10 ft.^3 c. 7 ft.^2

4. Which of these could be the perimeter of a shape?
- a. 25 m b. 10 ft.^3 c. 7 ft.^2

5. Circle the prime numbers: 5 7 10 11 13

6. What is the perimeter of an equilateral triangle with a side length of 5.5 ft.? _____

7. Complete the sequence: 1, 3, 6, 10, 15, _____, _____, _____

8. $\frac{-3}{7} \div \frac{-3}{7} =$

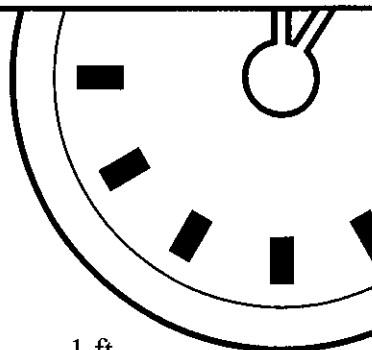
Use the following information to complete Problems 9–10.

If a computer were to pick a letter at random from the word *perimeter*, what is the probability that it would choose:

9. the letter *e*? _____

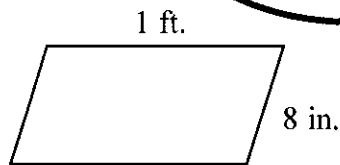
10. a vowel? _____

NAME: _____



MINUTE 47

1. What is the perimeter of this shape in inches? _____



2. If the radius of a circle is $4\frac{1}{4}$ feet, what is the diameter? _____

3. If $3x + 4x - 4x = 36$, then $x =$ _____.

4. Write $\frac{1}{10^2}$ using exponents. _____

5. Simplify: $\frac{a^2 \cdot a \cdot b}{a \cdot a \cdot b} =$

6. $\begin{bmatrix} 2 & 3 \\ 1 & 5 \end{bmatrix} + \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix} =$

7. A room measures 12 feet by 10 feet. Thirty yards of trim have been ordered to go around the room. Has enough trim been ordered? Circle: Yes or No

8. If $y = x^2 + x - 1$, find y if $x = 3$. $y =$ _____

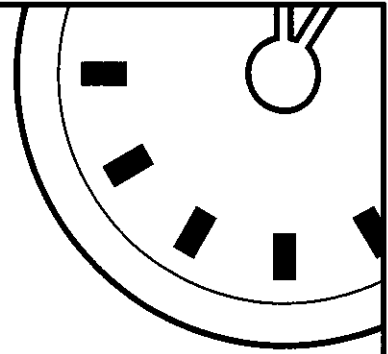
9. $3 \begin{bmatrix} 4 & 1 \\ -1 & 0 \end{bmatrix} =$

10. Write 0.00028 in scientific notation. _____

NAME: _____



MINUTE 49

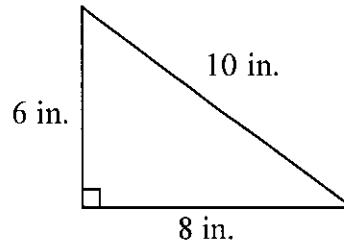


1. Round $0.\bar{7}$ to the nearest tenth. _____

Use the triangle to complete Problems 2–3.

2. What is the area? _____

3. What is the perimeter? _____



4. $\frac{1}{10^2} \cdot \frac{10^2}{1} =$

5. $\begin{bmatrix} 4 \\ 8 \\ -3 \end{bmatrix} + \begin{bmatrix} -2 \\ -5 \\ -3 \end{bmatrix} =$

6. $\frac{1}{7}$ of 35 =

7. If $x^3 = 125$, what does x equal? _____

Use $>$, $<$, or $=$ to complete Problems 8–10.

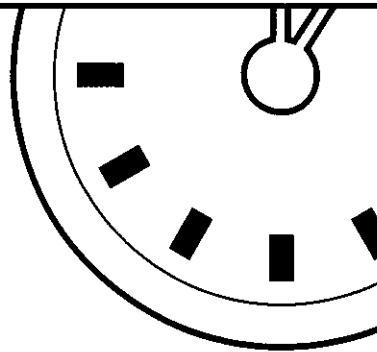
8. $\frac{1}{8}$ _____ 2^{-3}

9. 0.6 _____ 0.5

10. Mode of $\{1, 2, 2, 3, 3, 3, 14\}$ _____ Mean of $\{1, 2, 2, 3, 3, 3, 14\}$



MINUTE 51



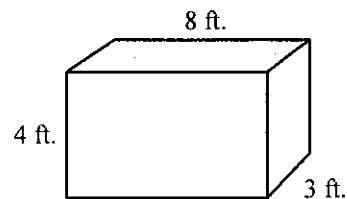
1. If $t = 3$, then $3t^2 - t =$ _____.

2. Reduce: $\frac{6 \cdot a \cdot a \cdot b}{a \cdot b} =$

3. The perimeter and circumference of a circle are the same.
Circle: True or False

4. $\sqrt{4 \cdot 16} =$

5. Find the volume of the box. _____



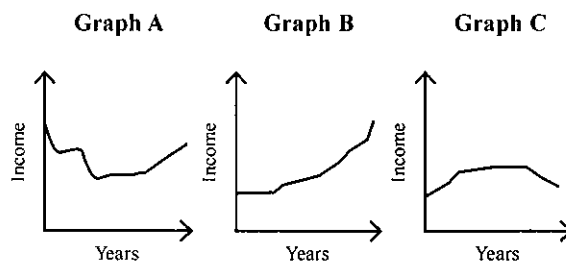
6. Which of these could be the volume of a shape?
a. 16 m b. 22 m^2 c. 36 m^3 d. 11 m^4

7. What is the area of a square with a side length of 12 cm? _____

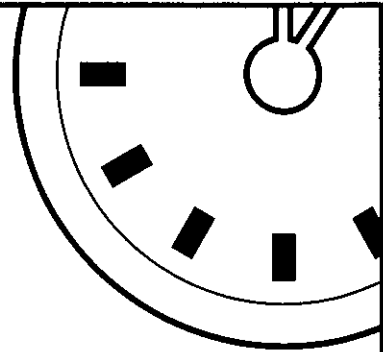
8. $8^2 \cdot 8^{-2} =$

9. $\frac{1}{3}$ of 24 =

10. In general, as people get older, their income increases until they retire. Which of the graphs illustrates this statement? _____



NAME: _____

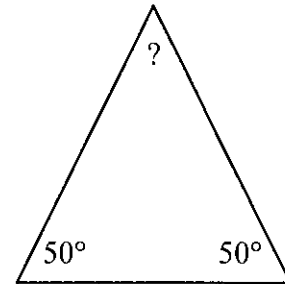


MINUTE 53

1. What is the missing angle of the triangle? _____

2. List the factors of 18. _____

3. $\left(\frac{-1}{6}\right)\left(\frac{4}{8}\right) =$ _____



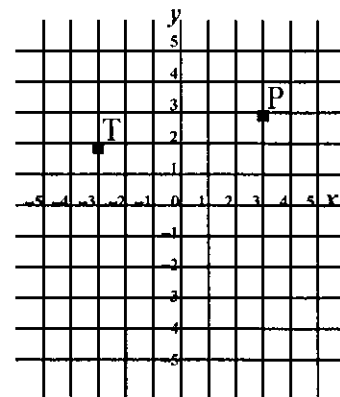
Use the graph to complete Problems 4–7.

4. What are the coordinates for point P? _____

5. What are the coordinates for point T? _____

6. In what quadrant is point T located? _____

7. If you draw a line from point T to point P, would the line have a positive or negative slope? _____

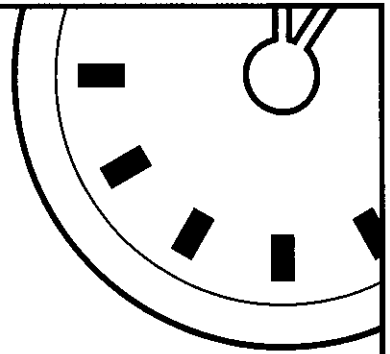


Complete the table for Problems 8–10.

	n	$3n - 5$
8.	3	
9.	2	
10.	1	

BONUS! How many rectangles are in this shape? _____

NAME: _____



MINUTE 55

1. How many degrees are in a triangle? _____

2. What is the greatest common factor of 10 and 30? _____

3. $\sqrt{36} =$

4. $-\sqrt{49} =$

5. To find the area of a circle, multiply 3.14 by the radius.
Circle: True or False

6. To find the volume of a box, multiply the length by the width by the height.
Circle: True or False

7. $\sqrt{\frac{4}{25}} =$

Use $f(n) = 10 - n^2$ to complete Problems 8–10.

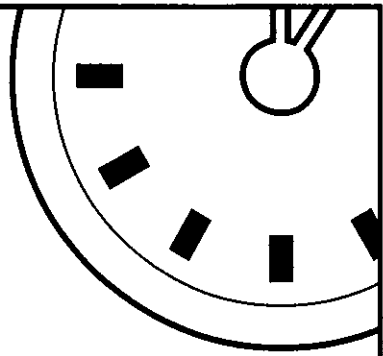
8.

n	$f(n)$
1	
3	
5	

9.

10.

NAME: _____



MINUTE 57

1. Is $\sqrt{52}$ closer to 7 or 8? _____

2. $\pm\sqrt{81} =$

3. $-2 \pm \sqrt{49} =$

4. The circumference of a circle is approximately 3.14 times the diameter?
Circle: True or False

5. $-\sqrt{\frac{121}{144}} =$

6. Are these ratios proportionate: $\frac{6}{15}$ and $\frac{18}{45}$? Circle: Yes or No

7. If $n^2 = 100$, what does n equal? _____

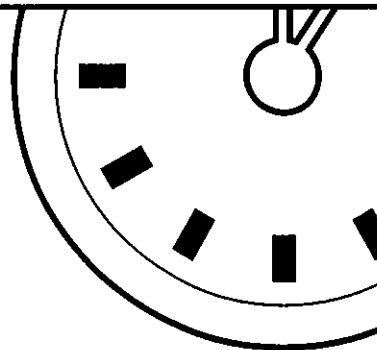
Use $f(n) = n^3 + n$ to complete Problems 8–10.

n	$f(n)$
1	
5	
-2	

8.

9.

10.



MINUTE 59

1. The symbol $\sqrt{\quad}$ is called a(n) _____.
 a. division sign b. exponent sign c. radical sign d. hypotenuse

2. When you add the length of any two sides of a triangle, the result must be greater than the length of the third side. Based on this statement, can these measurements be correct: 4 ft. x 5 ft. x 11ft.?
 Circle: Yes or No

3. Find the area of a 12 by 4 rectangle. _____

4. Round 6.2845 to the nearest hundredth. _____

5. What are the first five digits of the number $2.\overline{07}$? _____

6. Round the answer to Problem 5 to the nearest tenth. _____

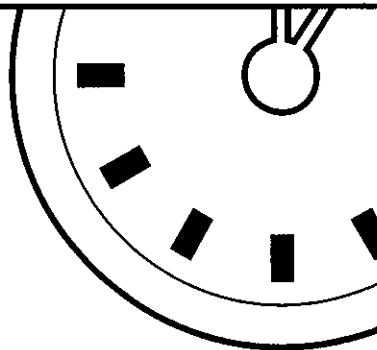
7. Which measurement is greater?
 Circle: degrees in a triangle or an acute angle

8. $3 \cdot (\pm\sqrt{9}) =$ _____





9. If $6^2 + b^2 = 10^2$, then $b =$ _____.

10. On a coordinate plane, what quadrant is the point $(-3, -5)$ located? _____

NAME: _____

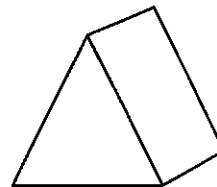


MINUTE 61

1. Which of these shapes is not a polygon?
a.  b.  c.  d. 
2. A paper clip might be measured best using:
a. meters b. kilometers c. miles d. centimeters
3. To measure a highway, use:
a. meters b. liters c. grams

Use the prism to complete Problems 4–5.

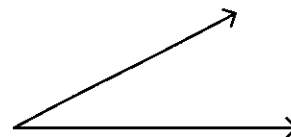
4. How many faces does the prism have?
a. 5 b. 6 c. 8 d. 12
5. How many edges does the prism have?
a. 5 b. 6 c. 7 d. 9

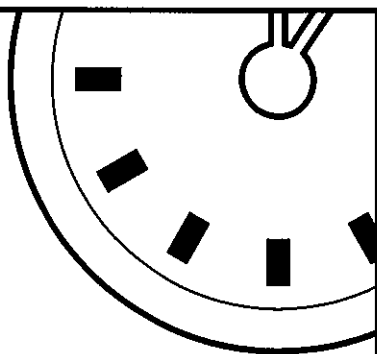


6. If $\frac{m}{5} > 4$, then $m > \underline{\hspace{2cm}}$.
7. Does the ordered pair $(-2, -3)$ solve the equation $y = -5x - 7$?
Circle: Yes or No
8. $\frac{1}{3} + \frac{1}{5} =$

Use the set of rays to complete Problems 9–10.

9. These rays form what type of angle?
a. acute b. obtuse c. right
10. The two rays are _____.
a. parallel b. perpendicular c. intersecting





MINUTE 63

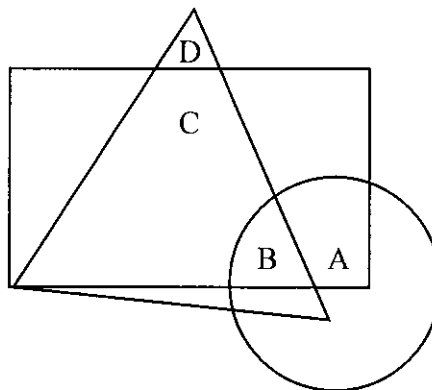
Use the diagram to complete Problems 1–4.

1. Which letter is inside the circle but outside the triangle? _____

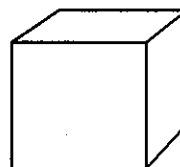
2. Which letter is outside the rectangle but inside the triangle? _____

3. Which letter is in all three shapes? _____

4. Which letter is outside the circle but inside the triangle and rectangle? _____



5. How many vertices does this shape have? _____

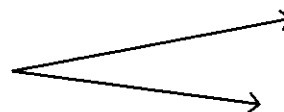


6. Solve $y = -2x + 4$ if $x = 3$. $y =$ _____

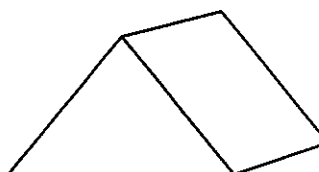
7. 1 yard = _____ inches

8. If $\frac{g}{2} + 2 = 5$, then $g =$ _____.

9. These lines form what type of an angle?
 a. right b. obtuse c. acute



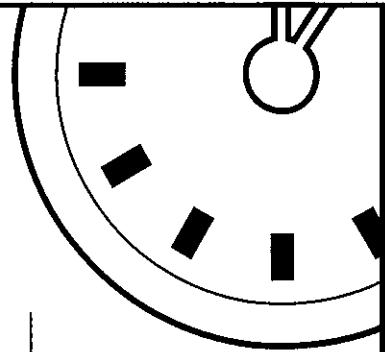
10. What type of shape is this?
 a. pyramid b. prism



NAME: _____

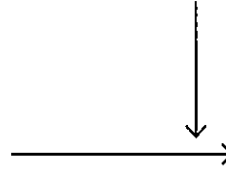


MINUTE 65



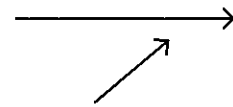
1. What type of lines are these?

Circle: Parallel or Perpendicular



2. What type of lines are these?

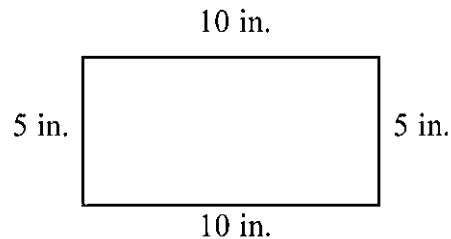
Circle: Parallel or Perpendicular or Intersecting



3. Does $x = 16$ solve the equation $5(x - 2) - 3(x + 4) = 10$?

Circle: Yes or No

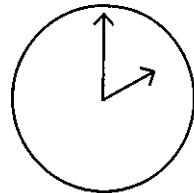
4. The perimeter of this shape is _____ in.



5. $5(2x + 13) =$ _____

6. If $x + y = 12$ and $x - y = 4$, find x and y for both equations if the values given x and y are the same in both equations. _____

7. What kind of an angle is formed when a clock reads 2:00? _____



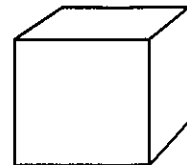
8. A triangle with all sides equal is called scalene.

Circle: True or False

9. The perimeter of a room could be:

- a. 40 feet b. 40 inches c. 40 kilometers

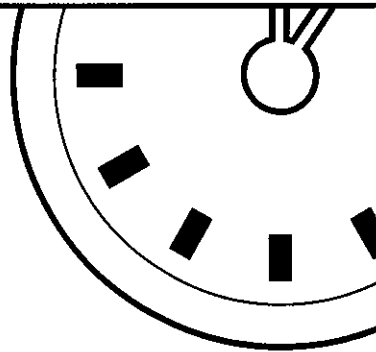
10. What is the sum of the number of faces and edges in a cube? _____



NAME: _____



MINUTE 67



1. If $\frac{2x}{3} = \frac{8}{4}$, then $x =$ _____.

2. Which of the following could be the area of a shape?
a. 18 ft. b. 12 m c. 25 in.² d. 7 mm³

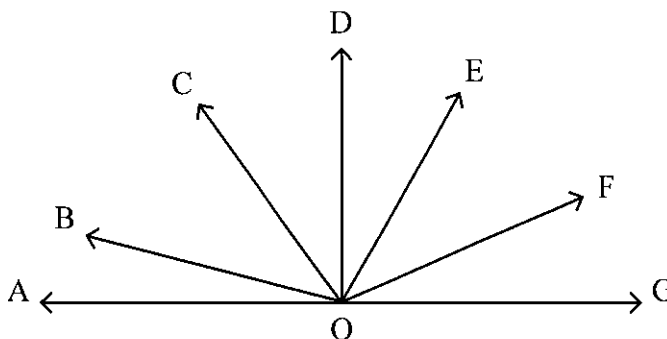
3. Which of the following could be the perimeter of a shape?
a. 25 in.² b. 12 m c. 18 ft.² d. 7 mm³

For each angle, write *acute*, *obtuse*, or *right* to complete Problems 4–6.

4. $\angle COD$ _____

5. $\angle AOD$ _____

6. $\angle AOE$ _____



7. Draw the line(s) of symmetry.

8. Find $f(-2)$ if $f(x) = x^2 + x + 7$. $f(-2) =$ _____

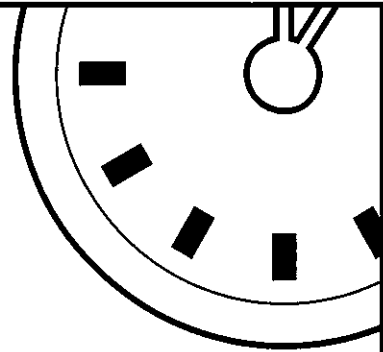
9. What is the diameter of a circle with the radius of 6.5 inches? _____

10. $-4(2x - 6) =$ _____

NAME: _____

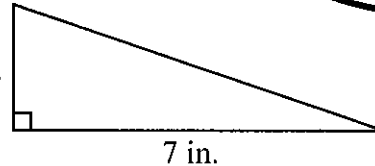


MINUTE 69



1. What is the area of the triangle? _____

4 in.



7 in.

2. Solve for x . If $4x + 12 + 8 - 10 = 30$, then $x =$ _____.

3. Which of these formulas is used to find the area of a triangle?

a. $A = bh$

b. $A = lwh$

c. $A = \frac{1}{2}bh$

d. $A = l + w$

4. $3^2 + 4^2 = 5^2$ Circle: True or False

5. Which of the following formulas is used to find the circumference of a circle?

a. $C = \pi + r$

b. $C = \pi d$

c. $C = dr$

d. $C = \pi$

6. $\pi \approx$

7. $\sqrt{49} =$

Match each description with the correct word to the right to complete Problems 8-10.

8. _____ All sides of a triangle are equal

a. isosceles

9. _____ All sides of a triangle are different

b. equilateral

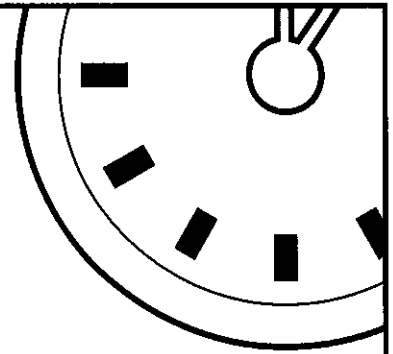
10. _____ Two sides of a triangle are the same

c. scalene

BONUS!

Find a number that solves $x^2 - 6x + 9 = 0$. _____

NAME: _____

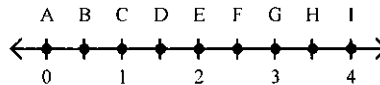


MINUTE 71

1. $3 \times 8 \neq 8 + 3 + 5$ Circle: True or False

2. The number 7 is all of the following except a(n):
a. whole number b. integer c. natural number d. irrational number

3. Which letters represent fractions on the number line? _____



4. If $a = 6$, then $2a^2 + 3 =$ _____.

5. $a \times 0 = a$ Circle: True or False

6. Circle the number that is the greatest: -5 -8 -2 -20

7. $11(2b - 3) =$

8. $8 + 4 = 3(4)$ Circle: True or False

9. $(2g)^2 =$

10. What should x be for this problem to be true: $2 + 3 + x = 1 + 8 - 2$? $x =$ _____

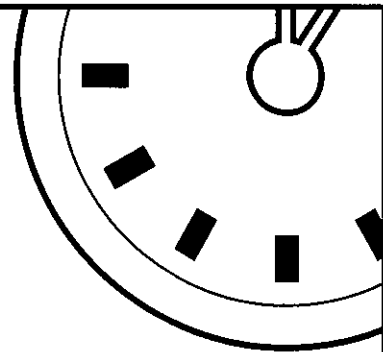
BONUS!

If the length, width, and height of a box are doubled, by how much does the volume increase? _____

NAME: _____



MINUTE 73



1. Arrange the numbers in ascending order: 3.75 , $3\frac{1}{4}$, $3\frac{4}{5}$. _____

2. $18 - 2(x + 3) =$

3. $4(7 - 5)^2 =$

4. $-(-2d) =$

5. $\left|\frac{1}{2}\right| + \left|\frac{-1}{2}\right| =$

6. $2g(3g)(4g) =$

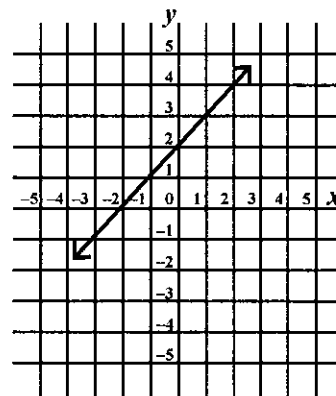
7. $[3 - (-4)] + 2 =$

8. If $y = 4$, what is $y + (-3) + 6$? _____

Use the graph to complete Problems 9–10.

9. Where does the graph cross the y-axis? _____

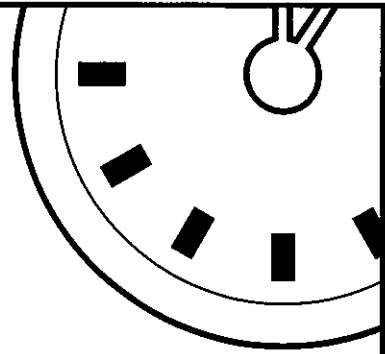
10. Where does the graph cross the x-axis? _____



NAME: _____



MINUTE 75



1. Which member of $B = \{5, 9, 13, 25\}$ is divisible by 3? _____

2. What is the mean of set B in Problem 1? _____

3. Simplify: $5 + 3m + 4 + 9m =$

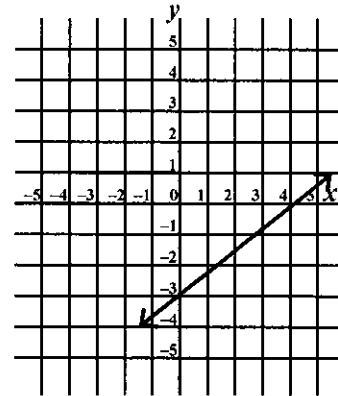
Use the graph to complete Problems 4–5.

4. What is the y-intercept? _____

5. What is the x-intercept? _____

6. Fifteen less than -3 is _____.

7. If $2d + 10 = 50$, what does d equal? _____



Use $a = 2$, $b = 3$, and $c = 4$ to complete Problems 8–10.

8. $(3a)(b) =$

9. $2(5a) =$

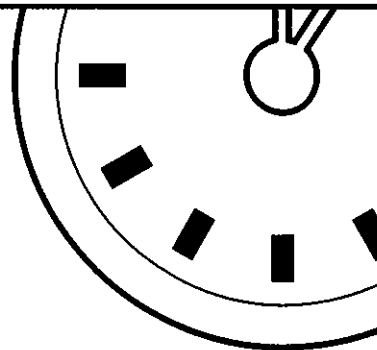
10. $2c + 3c =$

BONUS! How many different outfits can be made from 3 shirts, 4 pants, 2 belts, and 2 hats? _____

NAME: _____



MINUTE 77



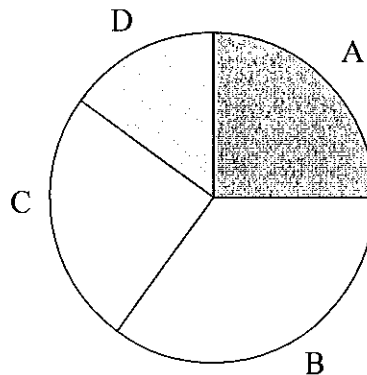
1. $\frac{2}{9} + \frac{3}{9} =$

2. $\frac{1}{b} + \frac{2}{b} =$

3. If $A = \{1, 2, 3, 4, 5\}$ and $B = \{5, 10, 15, 20\}$, find $A \cap B$. _____

4. If $n^2 = 49$, what is n ? _____

5. Based on the graph, category A represents _____.
a. 10% b. 50% c. 70% d. 25%



6. If $\frac{2}{8} = \frac{5}{x}$, then $x =$ _____.

7. Simplify: $4a + 2a - 6a =$

8. Which of these expression matches the phrase *a number squared plus 4*?
a. $2n + 4$ b. $\sqrt{n} + 2$ c. $n + n + 4$ d. $n^2 + 4$

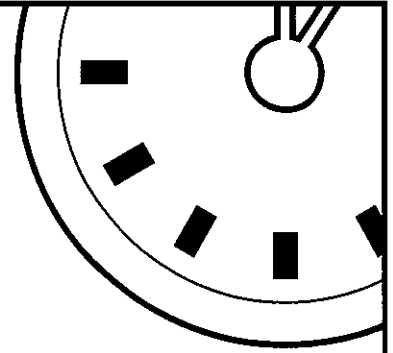
9. Which of the following numbers will solve $a^2 + 2 = 11$?
a. 3 b. 4 c. 5 d. 0

10. Find n if $3n = 27 + 3$. $n =$ _____

NAME: _____



MINUTE 79

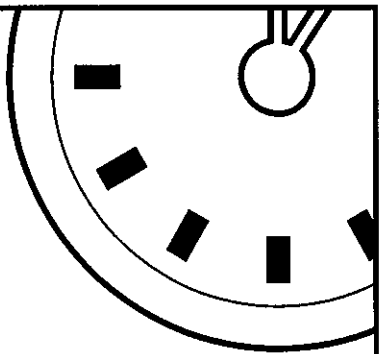


1. If $A = \{5, 6, 7, 8, 9\}$ and $B = \{\text{prime numbers}\}$, what is $A \cap B$? _____
2. $(2a)(-5a)(4a^2) =$ _____
3. What is the solution of $|x| > 5$?
 - a. All numbers greater than 5
 - b. All numbers less than 5
 - c. All numbers greater than 5 and all numbers less than -5
4. $\frac{1}{2} \div \frac{2a}{3} =$ _____
5. If Jill is n years old and Jack is 3 years older, which one of the following equations describes Jack's age?
 - a. $n - 3$
 - b. $3n$
 - c. $n + 3$
 - d. n^2
6. What is the coefficient in $6y^4$? _____
7. What is the exponent in $6y^4$? _____
8. Evaluate $25 - 4y$, when $y = 5$. _____
9. Is n^2 always greater than n ? Circle: Yes or No
10. Is n^2 always greater than n for all whole numbers? Circle: Yes or No

NAME: _____



MINUTE 81



1. If AC is 11 inches and BC is 4 inches, then AB = _____.



2. $4b + 3b - 5b + 5 =$

3. $5(3g) =$

4. $3 \cdot 2 \cdot 5a =$

5. Write an equation for the following statement and then solve it:
three times a number plus 6 equals 12. _____

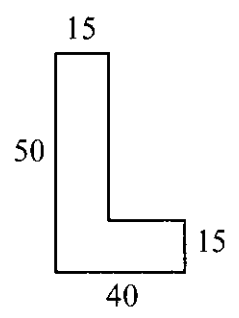
6. $\frac{2}{3} \cdot \frac{2}{3} \cdot \frac{a}{1} =$

7. $5a + 6b + 4a - 2b =$

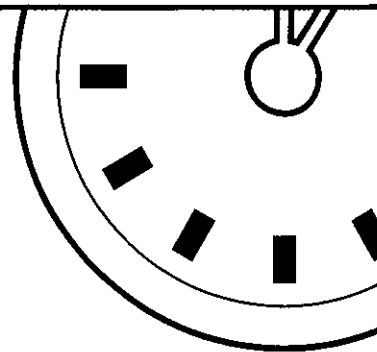
8. $\frac{-4}{2} =$

9. $\frac{-4}{-2} =$

10. What is the perimeter? _____



NAME: _____

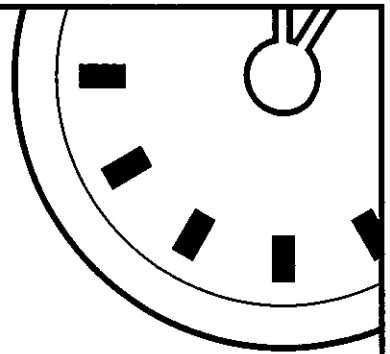


MINUTE 83

1. What is the coefficient in $7y^3$? _____
2. If $x = 2$ and $y = 3$, then $x^2y^2 =$ _____.
3. $3x + 6x = 18x^2$ Circle: True or False
4. $12x + 5x - 7x =$ _____
5. For what integers is $n \times 4 > 10$? _____
6. Simplify: $5y + 6y - y =$ _____
7. Evaluate $50 - 4y$ when $y = -3$. _____
8. If $5x + 10 = 25$, then solve for x . _____
9. In the equation $y = 3x + 7$, the slope is 3.
What is the slope of the line $y = 4x - 2$? _____
10. If $\sqrt{y} - 2 = 8$, then $y =$ _____.

BONUS! What is the sum of the factors for the number 18? _____

NAME: _____



MINUTE 85

1. If $5(x + 4) = 30$, then $x =$ _____.

2. If $6 = \frac{1}{3}x$, then $x =$ _____.

3. If $3x + 2x = 60$, then $x =$ _____.

4. If $x = 2$, then $\frac{10x}{x} = 10$. Circle: True or False

5. Jason travels 20 miles east, turns around and travels 8 miles west. How far east did Jason actually end up from his starting position? _____

6. A positive times a negative equals a _____.

7. A negative times a negative equals a _____.

8. A positive divided by a negative equals a _____.

9. A negative divided by a negative equals a _____.

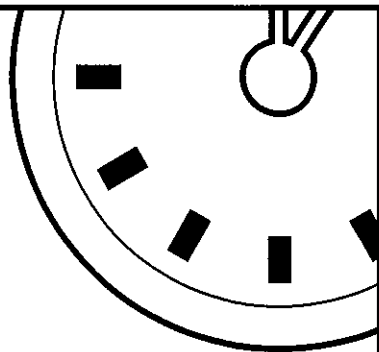
10. Complete the table on the right assuming that: $y = 4x + 2$.

x	y
2	
	6
	18

NAME: _____



MINUTE 87

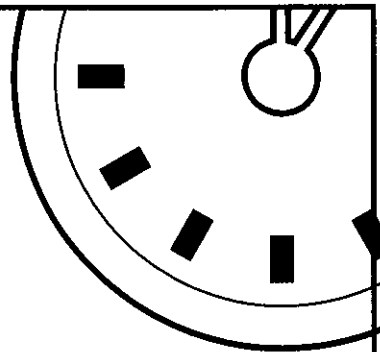


1. $5(a + 3b) =$
2. $3x^2 + 2x^2 =$
3. $2 \cdot 3 \cdot 4 \cdot y \cdot y \cdot y =$
4. Find the number: *three times a number plus 8 is 38.* _____
5. If $6x + 9 + 3x = 45$, then $x =$ _____.
6. If $y^3 = 64$, what is y ? _____
7. Find the lowest common denominator for the fractions $\frac{1}{3}$ and $\frac{3}{8}$. _____
8. Which of these will have the greatest value for all positive numbers "x" ?
a. $\frac{x}{0.5}$ b. $\frac{x}{0.05}$ c. $\frac{x}{0.005}$ d. $\frac{x}{0.0005}$
9. If $x = -2$ and $y = 4$, then $-x - xy =$ _____.
10. Which of the following is not the same as the others?
a. 41% b. 0.41 c. $\frac{41}{100}$ d. 0.041

NAME: _____



MINUTE 89



1. If $a = 5$, then $50 - 10 + 4a =$ _____.

2. $\frac{2}{3} \cdot \frac{n}{y} \cdot \frac{5}{7} =$

3. $\frac{-3}{4} \times \frac{-a}{b} =$

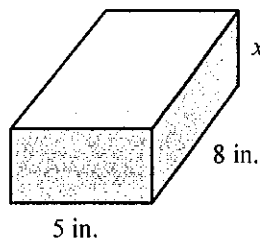
4. If n represents an odd number, what equation would represent the next odd number?
a. $2n$ b. $n + n$ c. $n + 2$ d. $n - 2$

5. If $2y + 3y = 35 - 5$, then $y =$ _____.

6. Solve: $\frac{2b}{3} = 8$

7. $\frac{5ac}{d} + \frac{5ac}{d} =$

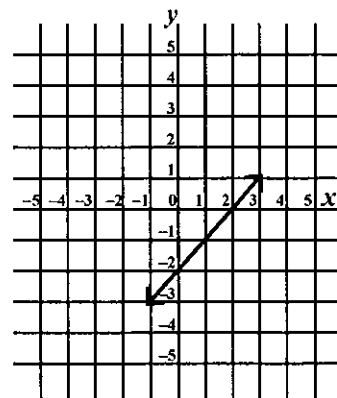
8. If the volume of this box is 80 in.^3 , then what is the value of x ? _____



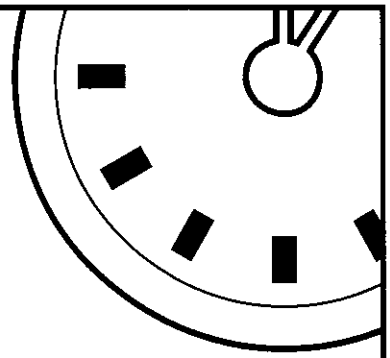
Use the graph to complete Problems 9–10.

9. Which of these equations represents the graph?
a. $y = x - 2$ b. $y = 2x + 2$
c. $y = -5x + 2$ d. $y = -\frac{1}{2}x - 2$

10. What is the y-intercept of the graph? _____



NAME: _____



MINUTE 91

1. Solve for x : $3x + 2 = 8$. $x =$ _____

2. $12(x - 6) =$ _____

3. $(-\sqrt{9})(3) =$ _____

4. If $-x = 8$, then $x =$ _____.

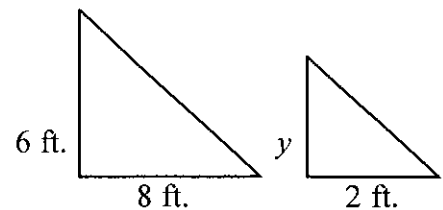
5. Solve for x . $3x + 2x = 30$, $x =$ _____

6. $\frac{a \cdot a \cdot a}{a \cdot a \cdot b} =$ _____

7. $12x \cdot x^2 \cdot 2x =$ _____

8. Solve for x . $4x + 20 = 3x$, $x =$ _____

9. What is y if both triangles are proportional? _____



10. $(4y)^2 =$ _____

BONUS!

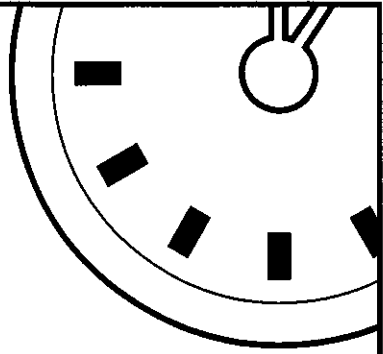
Leah likes the number 400 but not 500. She likes 900 but not 999. She likes 2,500 but not 600. Which of these numbers will she like?

a. 1,000

b. 1,100

c. 1,200

d. 1,600

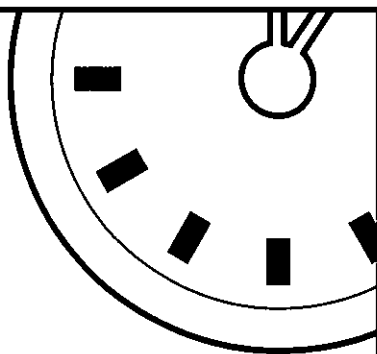


MINUTE 93

1. Is $x = 3$ a solution of the equation $3x + 1 = 5x - 5$?
Circle: Yes or No
2. If $3x < 15$, then $x < \underline{\hspace{2cm}}$.
3. $4x(x - 6) =$
4. If $-x = -7$, then $x = \underline{\hspace{2cm}}$.
5. Does $(2, 3)$ solve the equation $3x + 2y = 12$? Circle: Yes or No
6. Solve for a : $-4a \leq 12$. $a \geq \underline{\hspace{2cm}}$
7. What is the slope of the line $y = 4x + 5$?
8. What is the y-intercept of the equation in problem 7?
9. Use the chart on the right to complete the function rule $y = \underline{\hspace{1cm}}x + 1$.
10. Using the function rule from Problem 9, find y if $x = 10$.

x	y
2	5
4	9
7	15

NAME: _____



MINUTE 95

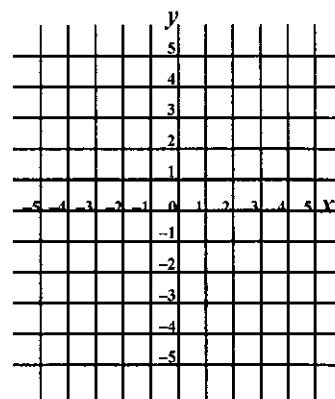
1. What is the slope of the equation $y = 3x - 8$? _____
2. What is the y-intercept of the equation above? _____
3. What is $f(3)$ if $f(x) = x^2 - x$? _____
4. Simplify: $3x(4x^2 - 8x + 2) =$ _____
5. If $|x - 1| = 8$, then $x =$ _____ and _____.
6. Parallel lines have _____ slopes.
a. the same b. opposite c. reciprocal

7. Complete the function rule for the table: $y = 4x +$ _____

x	y
1	5
-1	-3
0	1

Use the graph to complete problems 8–10.

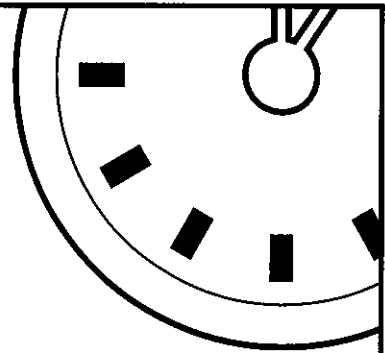
8. If you graphed the x- and y-coordinates from the table in Problem 7 and connected the dots, what shape would you have? _____
9. In the first quadrant, the x and y values are both _____.
Circle: positive or negative
10. In the third quadrant, the x and y values are both _____.
Circle: positive or negative



NAME: _____



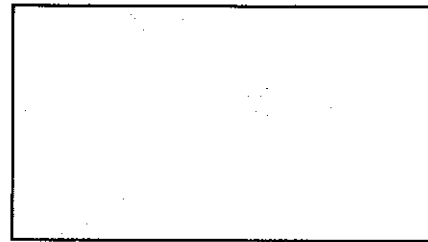
MINUTE 97



Use the rectangle to complete Problems 1–3.

1. What is the area? _____

3



$x + 5$

2. What is the perimeter? _____

3. If the area of the rectangle is 21m^2 , what is x ? _____

4. $(4x^2 + 8)6 =$ _____

5. $-[-(-5)] = -5$ Circle: True or False

6. $-a^2 = (-a)^2$ Circle: True or False

7. $\frac{b^4 c^3}{b^2} =$ _____

8. Solve: $-2x < 9$. $x >$ _____

9. $\frac{r}{10} = \frac{21}{7}$ $r =$ _____

10. 60 is 75% of what number? _____

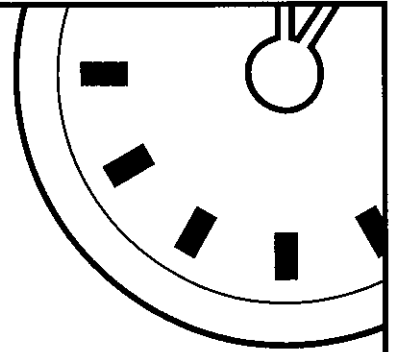
BONUS! Which number does not belong in the chart?

4	32	144
17	28	122
18	64	188
322	14	200

NAME: _____



MINUTE 99



1. Given the line $y = 3(x + 2)$, what is the slope? _____
2. What is the y-intercept of the line in Problem 1? _____
3. Is the point $(1, 9)$ on the line in Problem 1? _____
4. Does the line in Problem 1 pass through the origin $(0, 0)$?
Circle: Yes or No
5. How many solutions does the equation $|x| = -2$ have?
a. 1 b. 1 c. none
6. A coin was flipped three times. What are the chances that all 3 flips resulted in heads? _____
7. A circle was divided into 3 pieces. Two of the pieces make up 200 degrees of the circle. How many degrees is the third piece? _____

Choose the best estimate to complete Problems 8–10.

8. 21 out of 60 a. 50% b. 75% c. 33%
9. 9% of 45 a. 5 b. 15 c. 25
10. 64% a. $\frac{3}{4}$ b. $\frac{2}{3}$ c. $\frac{1}{2}$