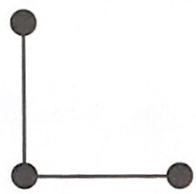
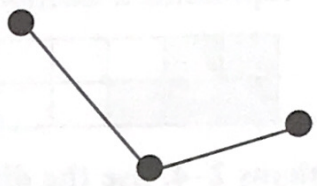
MINUTE 63

1. Which shape below shows an acute angle? _____

a. 

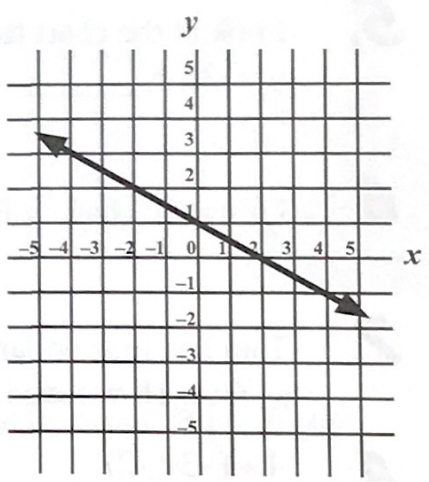
b. 

c. 

2. An unknown number is half the product of 4 and 12. The number is _____ .

3. Jim's father is older than 40 but younger than 50. If you divide his age by 2, 4, 5, 8, or 10, there will be a remainder of 1. How old is Jim's father? _____

For Problems 4–6, use the coordinate grid to the right.



4. What is the y–intercept? _____

5. What is the x–intercept? _____

6. Does the line slope up or down? _____

7. Find the dimensions of this rectangle.
Length = _____.
Width = _____.

Perimeter = 20 m
Area = 21 m^2

8. If pens cost 15 cents, how many can you buy with $3.00? _____

9. If one side of a cube has an area of 10 m^2, what is the surface area of the entire cube? _____

10. $4 + 3 \bullet (-2) =$

NAME:

MINUTE 64

For Problems 1–5, match each word with its correct definition.

1. congruent — **a.** The amount of square units covering the outside of a shape.
2. similar — **b.** A triangle with two equal sides.
3. equilateral — **c.** Two figures with the exact same size and shape.
4. isosceles — **d.** Two figures with the same shape but different size.
5. surface area — **e.** A triangle with three equal sides.

6. Which number is three places to the right of the median? _____

1	2	3	4	5	6	7	8	9

7. Circle the numbers in the set {2, 3, 4, 5, 6, 7} that make the inequality $3a + 13 > 14$ true.

2 3 4 5 6 7

8. $\left[\frac{3}{7}\right]\left[\frac{2}{3}\right] =$

9. $\frac{3}{11} \div \frac{2}{7} =$

10. Complete the chart if $y = 2x + 6$

x	y
-2	
	4
0	

NAME:

MINUTE 65

1. Complete the times table.

×	7	8
-4		-32
-6	-42	

2. Write an equation that represents this statement: two times a number plus 1 is 11.

_____

3. What number would solve the equation in Problem 2? _____

For Problems 4–6, cross out the item that does NOT belong on the list.

4. 5 9 16 100

5. $\frac{4}{8}$ $\frac{9}{18}$ $\frac{14}{28}$ $\frac{7}{12}$

6. 

For Problems 7–10, match the problems with their correct answers.

7. $13a = -26$ **a.** $a = 1$

8. $\frac{a}{4} = -5$ **b.** $a = -2$

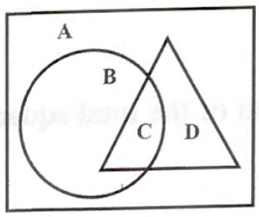
9. $a - 11 = -10$ **c.** $a = -20$

10. $a + 3 = -14$ **d.** $a = -17$

NAME:

MINUTE 66

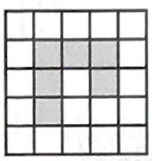
1. Which letter is inside all three shapes? _____

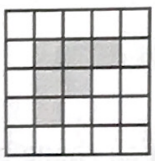


2. Which letter is inside the triangle but outside the circle? _____

3. Which of these shaded shapes has a perimeter of 14 units? _____

a. 

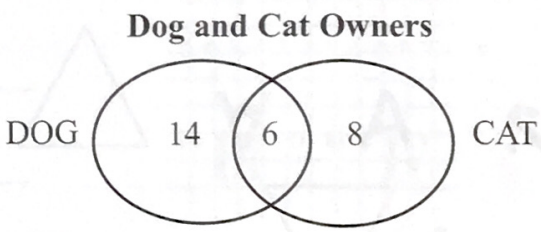
b. 

c. 

4. Which shape in Problem 3 has the greatest area? _____

5. A shape with the greatest perimeter always has the greatest area.
Circle: True or False

6. According to this Venn diagram, how many people have a dog? _____



7. Complete the chart.

Fraction	Decimal	Percent
	0.2	

For Problems 8–10, use >, <, or = and let $a = -2$, $b = -4$, and $c = 5$.

8. ab _____ c

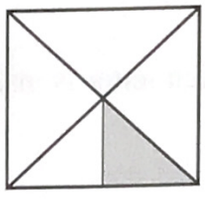
9. a^2 _____ $-b$

10. $\frac{1}{2}ab$ _____ $\frac{c}{0.5}$

NAME:

MINUTE 67

1. What fraction of the total square is shaded? _____



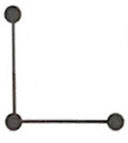
2. $\frac{1}{4} \cdot 24 =$

3. Complete this division table.

÷	12	18
-2		-9
-3	-4	

4. 20% of 70 =

5. Which shape below shows a right angle?

a. 

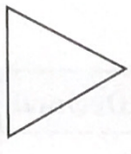
b. 

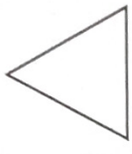
c. 

6. $2^3 - 5 =$

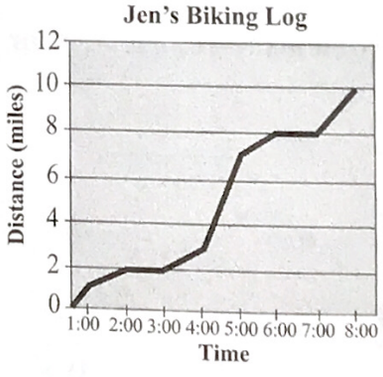
7. A is to ∀ as  is to:

a. 

b. 

c. 

For Problems 8–10, use the graph to the right.



8. At what time did Jen finish her trip? _____

9. How many miles did Jen ride? _____

10. At what two times did Jen appear to take a break?
_____ and _____.

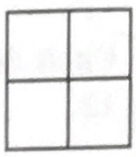
NAME:

MINUTE 68

1. Fill in the remaining boxes to complete the pattern.

7			28	35		49

2. How many small cubes placed on top of the grid, fitting exactly on the squares, would it take to make a large cube? _____

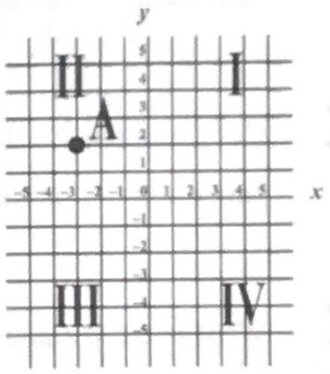


3. If $\frac{1}{4} - \frac{2}{3} + \frac{3}{5} = \frac{a}{60}$, then a = _____.

4. Circle the numbers in the set {3, 6, 9, 12, 15} that make the inequality $\frac{a}{3} + 1^3 \geq 4$ true.

3 6 9 12 15

For Problems 5–7, use the coordinate grid to the right.

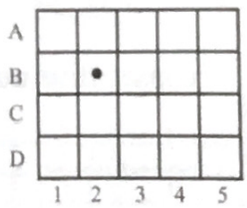


5. The Roman numerals identify the quadrants. In which quadrant is point A? _____

6. What are the coordinates of point A? _____

7. In which quadrant would (5, -3) be? _____

For Problems 8–9, use the chart to the right.



8. If the dot (B2) is shifted two squares south and two squares east, in which square will it be? _____

9. If the dot (B2) is moved one square northwest, in which square will it be? _____

10. Draw a vertical line of symmetry through the heart.

NAME:

MINUTE 69

1. Complete this addition table.

+	-5	-6
3	-2	
8		2

2. Circle the numbers that can be divided evenly by 3, 4, and 5.

12 15 24 30 60

3. How many times bigger is the underlined 5 than the other 5 in the number 4<u>5</u>,245?

a. 1,000 times **b.** 100 times **c.** 10 times

4. Circle the objects below that are longer than 1 meter.

calculator mouse bed basketball dining table

5. Circle the objects that are shorter than 5 centimeters.

paper clip book writing paper pencil eraser bottle cap

6. What is the volume of a box that is 6 in. × 8 in. × $\frac{1}{2}$ in.? _____

For Problems 7–10, match each word with its correct definition.

7. consecutive numbers **a.** when numbers are in order from least to greatest

8. coordinates **b.** numbers used to locate points on a grid

9. descending order **c.** numbers that follow in order and are not interrupted

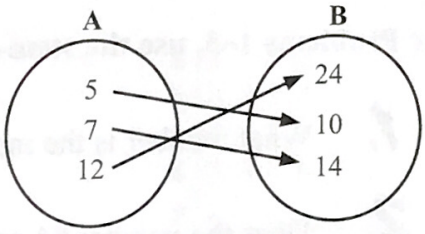
10. ascending order **d.** when numbers are in order from greatest to least

NAME:

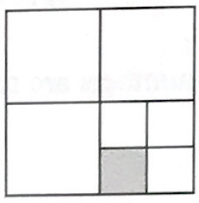
MINUTE 70

1. What relationship do the arrows represent in the diagram?

_____



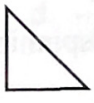
2. What fraction of the total shape is shaded? _____



3. If 3! = 3 • 2 • 1, what does 4! equal?

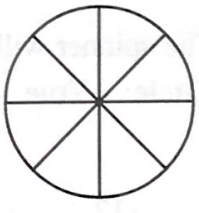
a. 6 **b.** 12 **c.** 24 **d.** 120

4. Which of these is an equilateral triangle? _____

a.  **b.**  **c.**  **d.** 

5. Which shape in Problem 4 is a right triangle? _____

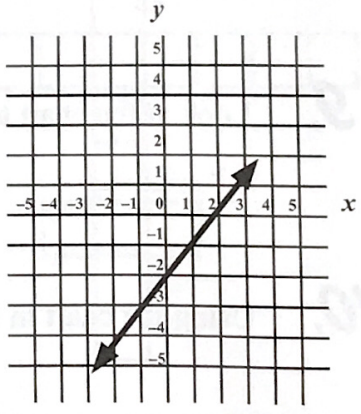
For Problems 6–7, use the pie chart to the right.



6. Shade 25% of the pie chart.

7. If six slices of the pie chart were shaded, what percent would that represent? _____

For Problems 8–10, use the graph to the right.



8. In which quadrant would the point (3, 3) be? _____

9. In which quadrant would the point (-2, -5) be? _____

10. Does the line have a positive slope or a negative slope? _____

NAME:

MINUTE 71

For Problems 1–3, use the stem-leaf plot to the right.

1	1 2 2
2	2 6 8
3	0 1 2
5	5 5 5 6
6	1 3 5
7	2 3
9	4 6

KEY
6|1 represents 61

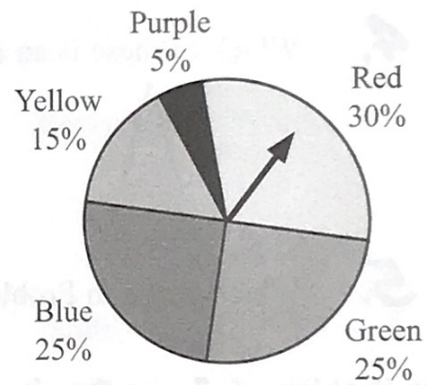
1. What number is the mode of the plot? _____

2. Does the number 64 appear on the plot? _____

3. How many numbers are represented by the plot? _____

For Problems 4–7, use the spinner diagram to the right.

Spinner Colors



4. On which color is the spinner most likely to stop? _____

5. Is there a better chance of spinning Blue or Yellow? _____

6. If the spinner is spun 100 times, what is the average number of times it would stop on Red? _____

7. The spinner will land on Blue or Green about half the time on average.
Circle: True or False

8. $-3 + \frac{-12}{-2} =$

9. Look at the chart to the right and write the function rule.
$y =$ _____

x	*y*
1	3
2	6
3	9

10. Using the chart in Problem 9, if $x = -3$, then $y =$ _____.

MINUTE 22

For Problems 1–3, use the stem-leaf plot to the right.

1	1 1 5 7
2	2 2 2 4
3	0 6 8 9
4	3 4 5 6
5	2

KEY
4|3 represents 4.3

1. How many times does the number 2.2 show up? _____

2. How many numbers are between 4.5 and 5.0? _____

3. What is the range (biggest number–smallest number) of the plot? _____

4. Complete this subtraction table.

–	-5	-6
3	-8	
8		-14

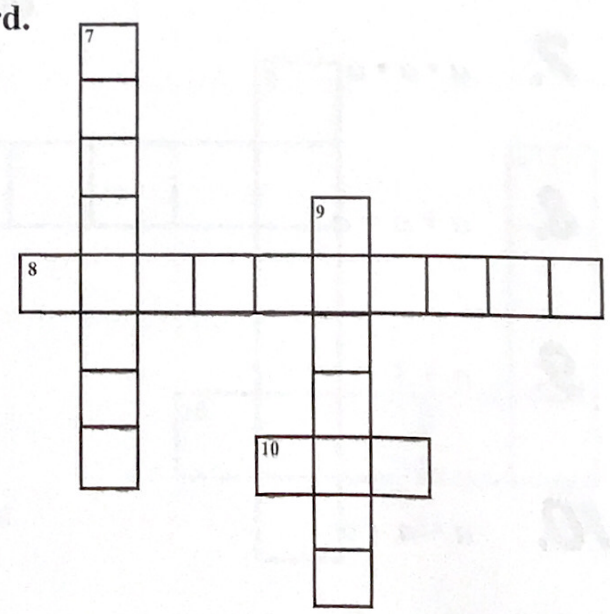
5. Which of these fractions is closest to zero? _____

a. $\frac{1}{8}$ **b.** $\frac{1}{10}$ **c.** $\frac{2}{50}$ **d.** $\frac{9}{10}$

6. Which of these shapes has the most sides? _____

a. decagon **b.** octagon **c.** pentagon **d.** hexagon

For Problems 7–10, use the clues to complete the crossword.



7. The answer to a division problem.

8. The answer to a subtraction problem.

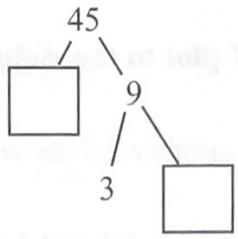
9. The answer to a multiplication problem.

10. The answer to an addition problem.

NAME:

MINUTE 73

1. Complete this factor tree.



2. Use •, +, –, or ÷ to complete. 3 ☐ 12 ☐ 4 = 6

3. If $y + 1.7 = 1$, then $y =$ _____.

4. If $d = 3$, does $d + d + d = 3d$? Circle: Yes or No

5. Complete this multiplication table.

×	-5	-6
3	-15	
8		-48

6. If $\pi = 3.14$, then $10\pi =$ _____.

For Problems 7–10, match each expression with an equivalent expression.

7. $a \cdot a \cdot a$

8. $a + a + a$

9. $a \div 3$

10. $a - a - a$

a. $\frac{a}{3}$

b. $-a$

c. $3a$

d. a^3

MINUTE 74

1. Put the numbers 23, 35, 26, 38, and 39 into the stem-leaf plot to the right.

2			
3			

2. What is the median number in Problem 1? _____

3. Fill in the missing number in the box.

3 → 6 → 9 → 12 → 15

3 → 6 → 12 → 24 → ☐

4. The numbers in the boxes are all multiples of 4 that are less than 40. Fill in the missing number.

4	36	16
12		32
28	8	20

5. What is the sum of row 1 in the chart in Problem 4? _____

6. If the time is 4:40, what time was it 70 minutes ago? _____

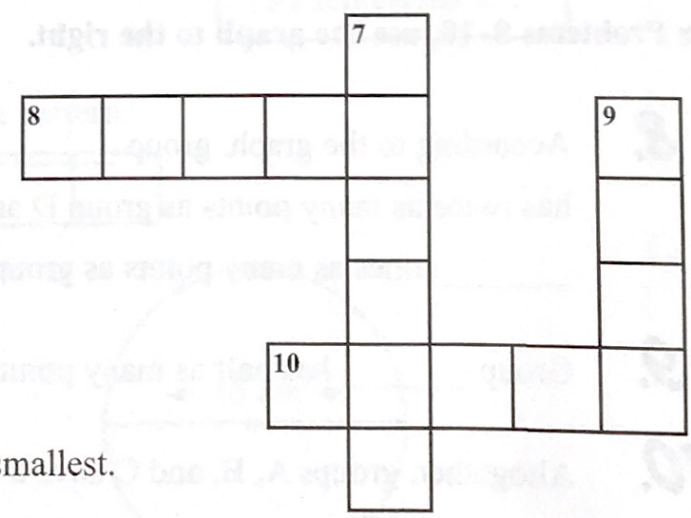
For Problems 7–10, use the clues to complete the crossword.

7. The number in the middle of an ordered group.

8. An angle that is less than 90 degrees.

9. The number in a group that shows up the most often.

10. The largest number in a group minus the smallest.



MINUTE 75

1. Write in the simplest form: $\frac{16}{20}$ =

2. Estimate: $42 \times 58 \approx$ _____. (**Hint:** "≈" means "approximately")

3. What number times 7 equals negative 56? _____

4. How many dimes are in $6.00? _____

5. Complete this addition table.

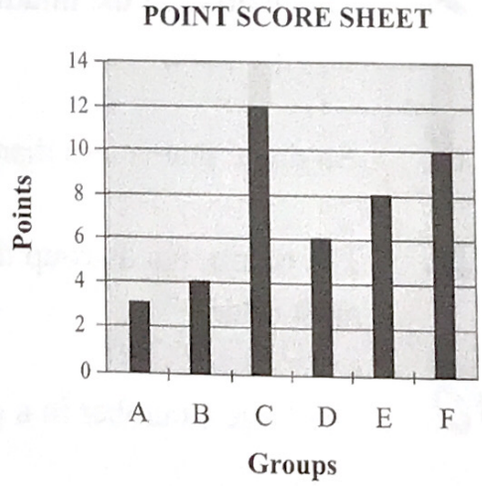
+	-4	-5
-6	-10	
-7		-12

6. How many cookies are in 3.5 dozen? _____

7. The distance around a circle is sometimes referred to as _____.

a. diameter **b.** radius **c.** circumference **d.** pi

For Problems 8–10, use the graph to the right.



8. According to the graph, group _____ has twice as many points as group D and _____ times as many points as group B.

9. Group _____ has half as many points as group E.

10. Altogether, groups A, B, and C have a total of _____ points.