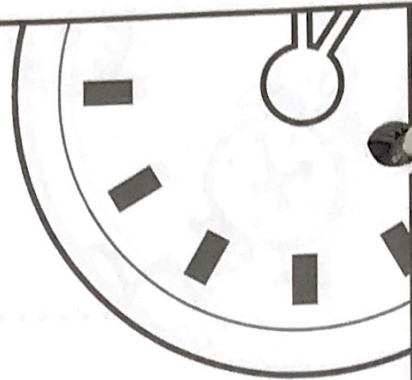




NAME: \_\_\_\_\_

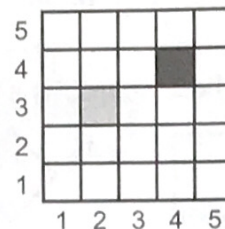


# MINUTE 63



1. Which numbers can both 6 and 12 be evenly divided by? Circle: 2 3 4 6 8 12

2. If  is at (2,3), then  is at \_\_\_\_\_.



3. If  $2^3 = 2 \cdot 2 \cdot 2 = 8$ , then  $3^3 =$  \_\_\_\_\_.

4. Below are some perfect square root numbers. What would the next perfect square root be?

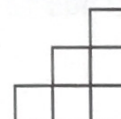
$\sqrt{4}$     $\sqrt{9}$     $\sqrt{16}$     $\sqrt{25}$    \_\_\_\_\_

5. If  $3x + 5 = 20$ , which of these numbers could  $x$  equal?

a. 10                      b. 15                      c. 5                      d. 20

6. The square root of what number is 9? \_\_\_\_\_

7. What is the perimeter of the shape to the right? \_\_\_\_\_



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

8. On which day of the week did Doug mow the most lawns? \_\_\_\_\_

9. On \_\_\_\_\_ and \_\_\_\_\_,  
Doug mowed the same number of lawns.

Lawns Doug Mowed	
Mowing Day	Tally
M	
T	
W	
TH	
F	
S	
SUN	

For Problem 10, use the rules of negatives to help you simplify each expression.

10.

$(-6)(4) =$

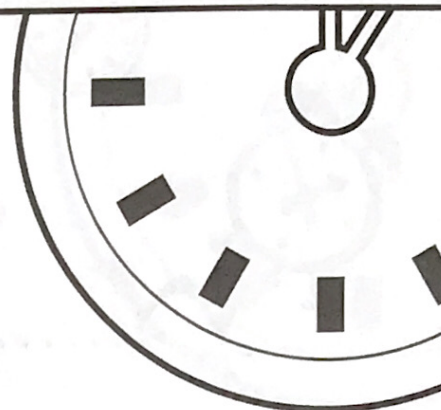
$(-6)(-5) =$

$(7)(-8) =$

Negative  $\times$  Positive = Negative  
 Negative  $\times$  Negative = Positive  
 Negative  $+$  Negative = Negative  
 Negative  $+$  Positive = Positive  
 Negative  $\div$  Positive = Negative



# MINUTE 64

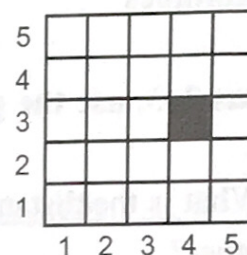


1. Which activity is more likely to occur?

- a. getting a hole in one  
b. bowling a 300 game

Activity	Odds
hole in one (golf)	33,000 to 1
bowling a 300 game	11,500 to 1

2. What are the coordinates of the  ? \_\_\_\_\_



3.  $5\frac{1}{3} + 6\frac{1}{3} =$

4. Fill in the missing factors of 24.

1	2	3		6	8		24
---	---	---	--	---	---	--	----

5. Complete the pattern. 1, 3, 7, 15, \_\_\_\_\_

6.  $3 \times (\square + 4) = 18$

7. Which one of the following is NOT equal to the others?

30%      0.3       $\frac{3}{10}$       0.03

8.  $10^3 =$

9.  $(-9) \div (-3) =$        $(-15) \div (3) =$        $(30) \div (-10) =$

For Problem 10, use the rules of negatives to help you simplify each expression.

10.  $(-8)(-8) =$

$(9)(-5) =$

$(-7)(9) =$

Negative  $\times$  Positive = Negative  
Negative  $\times$  Negative = Positive  
Negative  $+$  Negative = Negative  
Negative  $\div$  Negative = Positive  
Negative  $\div$  Positive = Negative



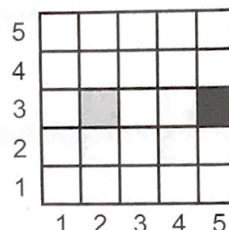


# MINUTE 65

1. Match each word with its definition:
- |           |   |
|-----------|---|
| Prime     | a. numbers that evenly divide another number            |
| Factors   | b. whole numbers that are the products of other numbers |
| Multiples | c. a number that can only be divided by 1 and itself    |

For Problems 2–3, use the graph to the right.

2. What is the distance from one shaded box to the other? \_\_\_\_\_
3. To get from the gray box to the black box, you would move \_\_\_\_\_.  
 a. north      b. south      c. east      d. west



4.  $10 - (6 + 2) =$
5. If  $\frac{4}{9} = \frac{x}{36}$ , then  $x =$  \_\_\_\_\_.

6. If  $3 + 6 + 2 + 8 + 3 + n = 27$ , then  $n =$  \_\_\_\_\_.

For Problems 7–9, circle the greatest amount.

7.  $5^3$        $\sqrt{25}$        $10^2$
8. 3 weeks      20 days      1 month
9.  $(-5)(-5)$        $4 \cdot 6$        $\frac{100}{5}$

For Problem 10, use the rules of negatives to help you simplify each expression.

10.  $(-8) + (-5) =$        $4 - (-5) =$

Negative + Negative = Negative  
 Positive - Negative = Positive



# MINUTE 66

1. Match each kind of fraction with the correct example.

Improper \_\_\_\_\_

a.  $\frac{5}{4}, \frac{4}{5}$

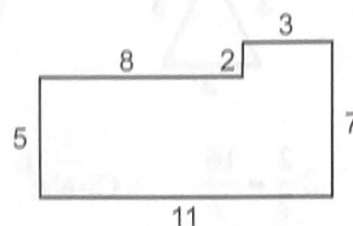
Mixed \_\_\_\_\_

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

Reciprocal \_\_\_\_\_

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

2. What is the perimeter of the shape? \_\_\_\_\_



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

4. If  $|-6| = 6$ , then  $|-100| =$  \_\_\_\_\_.

5. Which numbers can both 8 and 24 be evenly divided by?

Circle: 1   2   3   4   6   8   12

6. Complete the sequence:  $\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2},$  \_\_\_\_\_.

For Problems 7–10, match each mathematical expression with its correct description.

7.  $a + b$       a.  $b$  is subtracted from  $a$

8.  $a - b$       b.  $b$  is added to  $a$

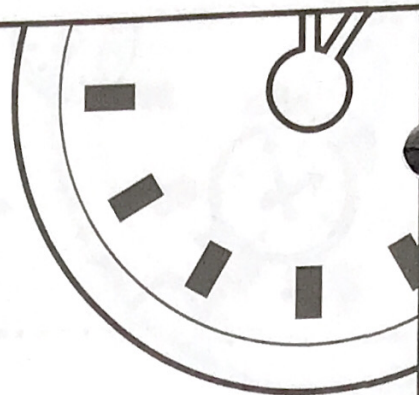
9.  $ab$       c.  $b$  is multiplied by  $a$

10.  $\frac{a}{b}$       d.  $a$  is divided by  $b$





# MINUTE 67

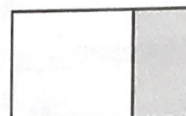


1. What is the best estimate of how much of this rectangle is shaded?

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

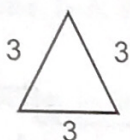
b.  $\frac{1}{3}$

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



2. Which of the triangles below is equilateral?

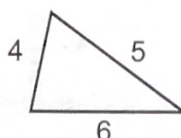
a.



b.



c.



3.  $2\frac{2}{7} = \frac{16}{7}$  Circle: True or False

4. If  $\frac{3}{5} = \frac{x}{40}$ , then  $x =$  \_\_\_\_\_.

5.  $48 = 2 \cdot 2 \cdot 2 \cdot 2 \cdot \square$

6. Write as a mixed fraction:  $3.75 =$  \_\_\_\_\_

7. All of the following equal 10 except:

$\frac{10^3}{10^2}$

$\sqrt{100}$

$5^2$

$|-10|$

8. Put these numbers in order from least to greatest: -5, 7, -2, 8, 0. \_\_\_\_\_

9.  $(-3) + (-8) =$   $(-3) + (8) =$   $(-3) - (8) =$

10.  $(-12)(-4) =$   $(-12)(4) =$   $\frac{-12}{4} =$



# MINUTE 68

1. What is the best estimate of the part of the rectangle that is shaded?

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

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

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

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

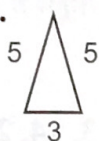


2. Which of the triangles below is isosceles?

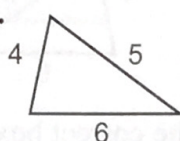
a.



b.



c.



3.

$0.\bar{3} = \underline{\hspace{2cm}}$

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

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

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

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

4.

$\sqrt{5^2 - 3^2} =$

5.

$-12 \div 2 =$

$-12 \div 2 \times (-3) =$

6.

$\frac{1}{4} \times \boxed{\phantom{00}} = 5$

7.

Complete the empty boxes.

4
6
8
16
30

$\times \frac{1}{2}$

2
3
4

For Problems 8–10, evaluate if  $a = 6$ ,  $b = -2$ , and  $c = -4$ .

8.

$a + b + c =$

9.

$abc =$

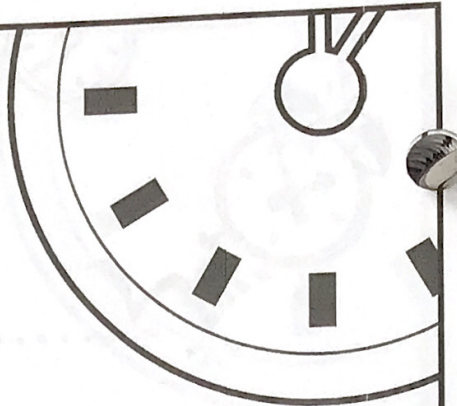
10.

$a + \frac{b}{c} =$





# MINUTE 69

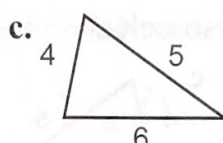
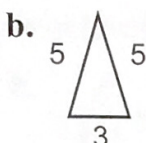
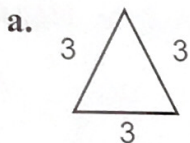


1. Which of these is the best estimate of the time on this clock?

a. noon      b. 9:00      c. 11:00      d. 1:00



2. Which of the triangles below is scalene?



3. Put the following numbers into the correct box below: 3, 14, 2, 4, 21, 6, 8, 28

Multiples of 7

Factors of 24

For Problems 4–6, circle *True* or *False*

4.  $(20 \div 2) \cdot 3 = 30$       True   or   False

5.  $2(5 + 4) - 6 = 5$       True   or   False

6.  $4 + 7 \times 3 = 25$       True   or   False

7. Put the numbers  $\{-6, 10, 0, -5, 4\}$  in order from least to greatest. \_\_\_\_\_

8. Complete the missing numbers in the table.

Sum	Product	Numbers
10	16	2 and 8
8	12	____ and ____

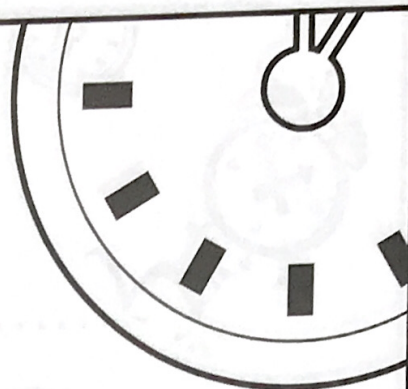
9.  $-6 + 8 + 4 - 3 =$        $6 - 8 + 4 - 3 =$

10. 
$$\begin{array}{r} 426 \\ \times (-3) \\ \hline \end{array}$$
       $-3 \overline{)513} =$

NAME: \_\_\_\_\_

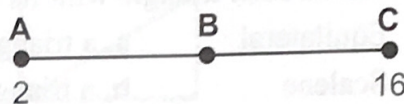


# MINUTE 20



1.  $40 \cdot \boxed{\phantom{00}} = 10$

2. If point B is halfway between points A and C, what number does it represent? \_\_\_\_\_



3.  $(3 + 0.3 + 0.7)^2 =$

4. If  $4.38 = 4 + \frac{a}{10} + \frac{8}{b}$ , then  $a =$  \_\_\_\_\_ and  $b =$  \_\_\_\_\_.

5. If you spin the spinner to the right, what are the chances it will land on 1 or 3? \_\_\_\_\_



For Problems 6–9, solve each equation for  $a$ .

6. If  $a + 8 = 12$ , then  $a =$  \_\_\_\_\_.

7. If  $a - 2 = -12$ , then  $a =$  \_\_\_\_\_.

8. If  $-6a = -48$ , then  $a =$  \_\_\_\_\_.

9. If  $\frac{a}{(-3)} = 10$ , then  $a =$  \_\_\_\_\_.

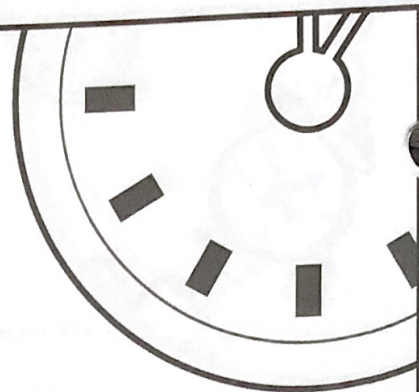
10.  $\frac{1}{4} \times \frac{2}{4} =$

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





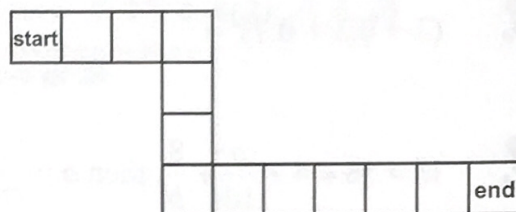
# MINUTE 71



1. A ton is 2,000 pounds. It might take about \_\_\_\_\_ sixth graders to weigh a ton.  
a. 25                      b. 100                      c. 1,000

2. Match each triangle with its correct definition.  
Equilateral                      a. a triangle with two equal sides  
Scalene                          b. a triangle with three equal sides  
Isosceles                        c. a triangle with no equal sides

3. If Brandon can hop three squares at a time, how many hops will it take him to get to the end of the walkway? \_\_\_\_\_

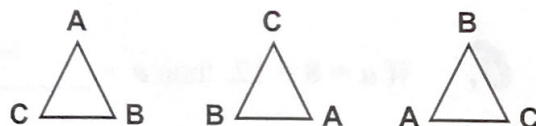


4. Put the following numbers into the correct box below: 3, 10, 2, 20, 6, 25

Multiples of 5

Factors of 18

5. If this pattern continues, what letter would be at the top of the next shape in the pattern? \_\_\_\_\_



6. Which of these is the same as  $7^5$ ?

a.  $7 + 7 + 7 + 7 + 7$

b.  $5 + 5 + 5 + 5 + 5 + 5 + 5$

c.  $5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 \cdot 5$

d.  $7 \cdot 7 \cdot 7 \cdot 7 \cdot 7$

7. Which of these is the same as  $0.5888888\ldots$ ? a.  $0.\overline{58}$     b.  $\sqrt{0.58}$     c.  $0.5\overline{8}$     d.  $|0.58|$

8. Reduce:  $\frac{5}{15} =$

$\frac{10}{24} =$

$\frac{6}{30} =$

9.  $(-8)(-7) =$

$(-8)(5) =$

$(8)(-4) =$

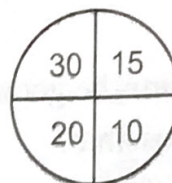
10.  $-5 + (-7) =$

$(-5) - 7 =$

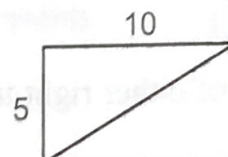
$(-5) - (-7) =$

# MINUTE 72

1. Marty got a score of 45 with two throws on this dart board. Which two categories did he hit? \_\_\_\_\_



2. Find the area of one of the triangles. \_\_\_\_\_



3. Complete the chart.

Fraction	Decimal	Percent
		5%

4. These letters are put on cards and then one card is drawn at random. What is the probability that a Y is drawn? \_\_\_\_\_

T      T      Y      Y      Y      R      S      S

5. Which of these numbers would solve both of these equations?  $2x + 7 = 13$  and  $6x - 5 = 13$   
 a. 3                      b. 10                      c. 2

6. All of the following equal 5 except:  $|-5|$      $\sqrt{25}$      $\frac{5^4}{5^3}$      $5^2$

7. If  $\frac{5}{8} \times a = 1$ , then  $a =$  \_\_\_\_\_.

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

(Hint: Cross out the common factors in the top and the bottom.)

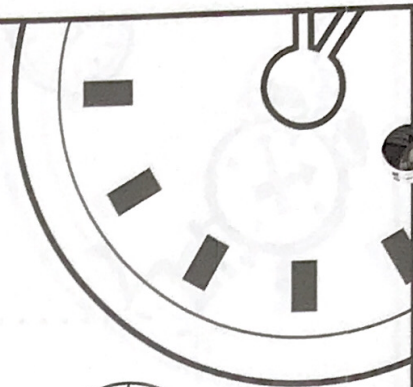
9. Change to an improper fraction:  $4\frac{1}{5} =$                        $5\frac{3}{5} =$                        $1\frac{9}{10} =$

10.  $\left(\frac{1}{3}\right)\left(\frac{2}{3}\right) =$                        $-\left(\frac{2}{5}\right)\left(\frac{4}{7}\right) =$

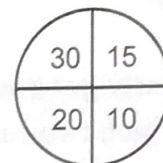




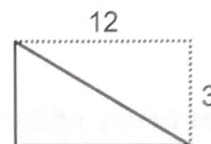
# MINUTE 23



1. Mike claims he got a score of 55 with two throws on this dart board. Is that possible? Circle: Yes or No



2. Find the area of either right triangle. \_\_\_\_\_



For Problems 3–4, use the game board to the right.

3. A coin is tossed on the game board. Would it land on a Red or a Blue square more often? \_\_\_\_\_

4. What is the probability the coin would land on Red?  
\_\_\_\_\_

Red	Red	Blue	Blue
Blue	Red	Blue	Blue
Blue	Red	Red	Blue
Blue	Red	Red	Blue

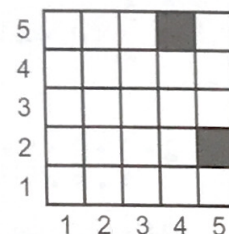
5. Fill in the missing factors of 28.

1	2		7		28
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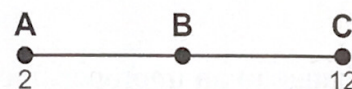
6.  $\frac{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2 \cdot 1}{4 \cdot 3 \cdot 2 \cdot 1} =$

7. If  $\frac{7}{2} \times q = 1$ , then  $q =$  \_\_\_\_\_.

8. One of the black squares has the coordinates of (4,5). What coordinates does the other square have? \_\_\_\_\_



9. If point B is halfway between points A and C, what number does it represent? \_\_\_\_\_



10. Circle the problems below that have a whole number answer.

$400 \div 5$

$\frac{300}{10}$

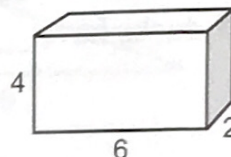
$|-16|$

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

# MINUTE 24

1. If  $\frac{5}{8} \div \frac{2}{3} = \frac{5}{8} \cdot \frac{3}{2}$ , then  $\frac{4}{8} \div \frac{2}{5} = \frac{4}{8} \cdot \frac{\quad}{\quad}$

2. To find the volume of a box, multiply all three dimensions.  
What is the volume of this box? \_\_\_\_\_



3. What is the common denominator for  $\frac{1}{4} + \frac{1}{5}$ ? \_\_\_\_\_

For Problems 4–7, match each clue with its correct answer.

4. the square root of 9                      a. 20

5. a 9 squared                                  b. 3

6. a factor of 10                              c. 5

7. a multiple of 10                          d. 81

For Problems 8–10, evaluate if  $a = -5$ ,  $b = -4$ , and  $c = -3$ .

8.  $a + b + c =$  \_\_\_\_\_

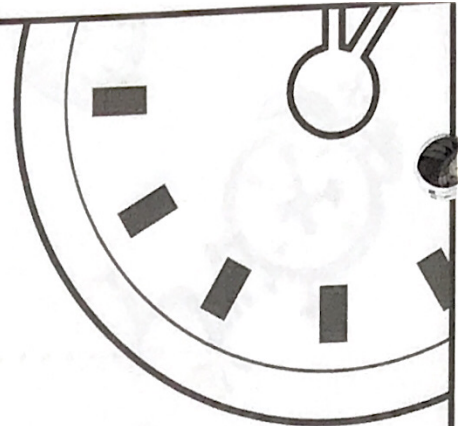
9.  $abc =$  \_\_\_\_\_

10.  $a - c =$  \_\_\_\_\_





# MINUTE 75

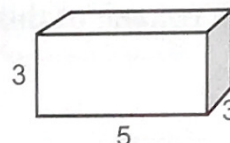


1. How many legs do each of the following have?

4 chairs have \_\_\_\_\_ legs

5 ducks have \_\_\_\_\_ legs

2. What is the volume of this box? \_\_\_\_\_



3.  $50\% + 10\% + 0.05 =$

4. 20% of 30 is \_\_\_\_\_.

For Problems 5–7, solve for  $x$ .

5. If  $x - 25 = 96$ , then  $x =$  \_\_\_\_\_.

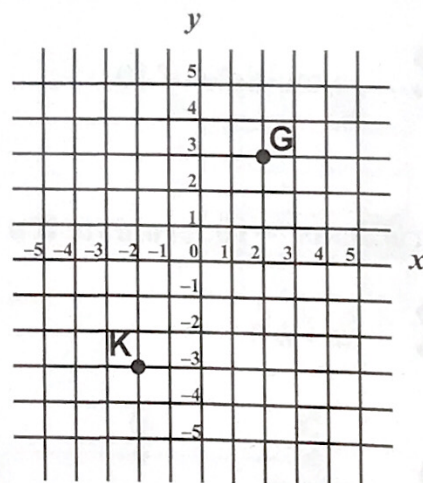
6. If  $1.5x = 6$ , then  $x =$  \_\_\_\_\_.

7. If  $\frac{3}{8}x = 1$ , then  $x =$  \_\_\_\_\_.

For Problems 8–9, use the coordinate graph to the right.

8. What are the coordinates of G? \_\_\_\_\_

9. What are the coordinates of K? \_\_\_\_\_



10.  $\frac{-15}{-3} =$   $(-5)(3) =$   $\frac{40}{-5} =$   $(-6)(-3) =$

37.2 x 100



