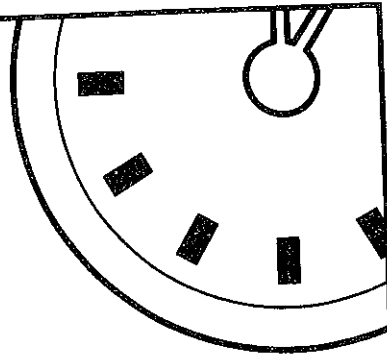


NAME: \_\_\_\_\_



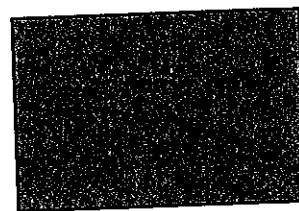
# MINUTE 11



1. Order the integers  $\{-10, -25, 25, 10, -50\}$  from least to greatest. \_\_\_\_\_

2.  $\frac{9^5}{9^3} =$

3. What is the area of the rectangle? \_\_\_\_\_ 10 in.



4.  $-2 \cdot -3 =$

5.  $-9(4 + 2 + 3) =$

6.  $-2 + -3 =$

7.  $\frac{48}{200} =$  \_\_\_\_\_ %

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

8.  $3$  \_\_\_\_\_  $-6$

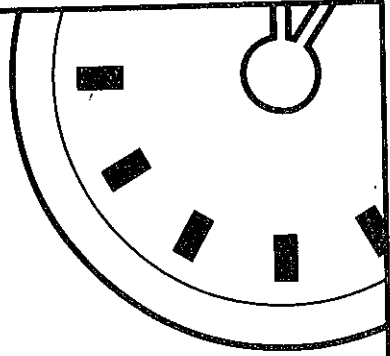
9.  $-5$  \_\_\_\_\_  $-3$

10.  $0$  \_\_\_\_\_  $-8$

**BONUS!** Use the numbers 1, 2, 3, and 4 to fill in the boxes to make the equation true.

$$\square \times \square + \square - \square = 10$$

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



# MINUTE 12

1.  $-8(-7) =$

2.  $-8 + 7 =$

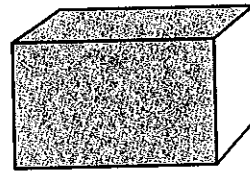
3. Order from greatest to least: 12, -4, 8, -3, 0. \_\_\_\_\_

4.  $-8(3^2 + 1) =$

5. Write 843 in scientific notation. \_\_\_\_\_

6. Find the volume of the box. \_\_\_\_\_

6 in.



4 in.

9 in.

7.  $(-6)^2 =$

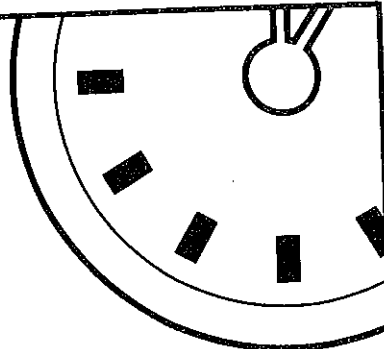
8.  $20 = 2^2 \cdot 5$       Circle: True or False

9.  $2(\sqrt{81}) =$

10.  $\sqrt{16} \cdot \sqrt{36} =$

**BONUS!** Complete the sequence: 1, 1, 2, 3, 5, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

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



# MINUTE 13

1.  $5^2 = (-5)^2$       Circle: True or False

2. If  $2x - 7 = 19$ , then  $x =$  \_\_\_\_\_.

3.  $(-2)(-3)(4) =$

4.  $\sqrt{(2 \cdot 5 \cdot 10)} =$

5.  $\left(\frac{1}{3}\right)^2 =$

6.  $-10 + (-12) =$

7.  $10 + (-12) =$

Use  $a = 5$ ,  $b = -3$ , and  $c = -2$  to complete Problems 8–10.

8.  $ab =$

9.  $b + c =$

10.  $a^c =$

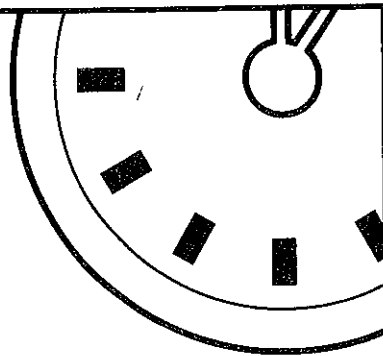
**BONUS!** Find the next row of numbers in Pascal's triangle.

				1					
				1		1			
			1		2		1		
		1		3		3		1	
	1		4		6		4		1

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

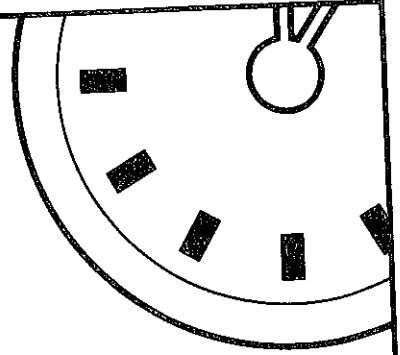


# MINUTE 14



1.  $|-5| =$  \_\_\_\_\_
2. Michaela says that  $|3|$  is bigger than  $|-3|$ .  
Is Michaela's statement true or false? \_\_\_\_\_
3. Write 1,407 in scientific notation. \_\_\_\_\_
4.  $3\sqrt{9} =$  \_\_\_\_\_
5. Order the numbers from least to greatest:  $-10, 20, |-11|, 0$ . \_\_\_\_\_
6. 134 minutes = \_\_\_\_\_ hours + \_\_\_\_\_ minutes
7. If  $a = \frac{-10}{5}$ , then  $a =$  \_\_\_\_\_.
8.  $(-7)^2 =$  \_\_\_\_\_
9.  $\frac{4^{10}}{4^4} =$  \_\_\_\_\_
10. A negative (-) times a positive (+) equals a \_\_\_\_\_.  
Circle: positive or negative

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



# MINUTE 15

1.  $10 - |-5| =$

2.  $4(3 - 8) =$

3.  $12 - 20 =$

4.  $\sqrt{4} \cdot \sqrt{100} =$

5.  $\frac{(-8)(-2)}{-8} =$

6. Based on the number line, which numbers are identified?
- a. All numbers bigger than  $-3$  and smaller than  $3$
  - b. All numbers between  $-3$  and  $3$  including  $-3$  and  $3$
  - c. All numbers bigger than  $0$
  - d. All numbers less than  $3$



7.  $-3 > -5$       Circle: True or False

8. A negative  $(-)$  divided by a negative  $(-)$  equals a \_\_\_\_\_.

9.  $6^2 = (-6)^2$       Circle: True or False

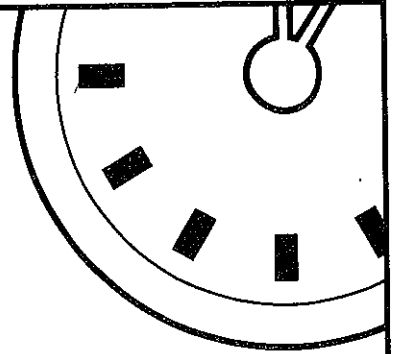
10. Complete the table on the right by finding  $x$ .

1	2	3	4	5
1	4	9	16	x

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



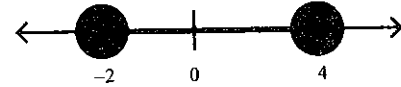
# MINUTE 16



1.  $|-10| + |-8| =$

2.  $(-3) + (-4) =$

3. Based on the number line, which numbers are identified?
- a. All numbers bigger than  $-2$
  - b. All numbers between  $-2$  and  $4$  including  $-2$  and  $4$
  - c. All numbers bigger than  $0$
  - d. All numbers less than  $4$



4.  $(-)\cdot(-)\cdot(-) =$

a. +                      b. -                      c. 0

5.  $-(4^2) =$

6.  $-50 + 20 =$

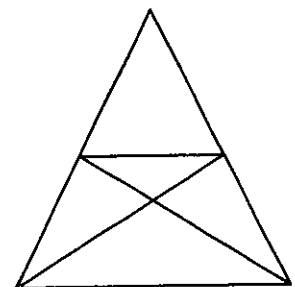
7. If  $a = -8$ , then  $4a =$  \_\_\_\_\_.

8. If  $g = \frac{-8}{4}$  then  $g =$  \_\_\_\_\_.

9. A negative  $(-)$  plus a negative  $(-)$  equals a negative  $(-)$ .  
Circle: True or False

10. Is  $4\frac{1}{2}$  an integer?                      Circle: Yes or No

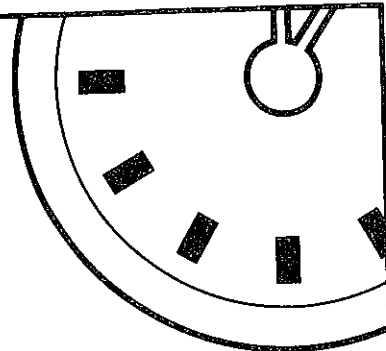
**BONUS!** How many total triangles are in the picture? \_\_\_\_\_



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



# MINUTE 17



1. Which of these is not equal to  $\frac{1}{4}$ ? Circle:  $\frac{2}{4}$ ,  $\frac{4}{16}$ , 25%, 0.25,  $\frac{5}{20}$

2. If  $x = -5 + 3 - 3$ , then  $x =$  \_\_\_\_\_.

3.  $\left| \frac{-8}{4} \right| =$

4. Which of these is the greatest number?  
a.  $\frac{5}{2}$       b.  $-3$       c.  $|-8|$       d. 4

5.  $-12 + (-5) =$

6. Which value of  $a$  would make  $a - 5 > -1$  true?  
a. 2      b.  $-2$       c. 3      d. 6

7.  $-12 \cdot -5 =$

8.  $27 = 3 \cdot 3^3$       Circle: True or False

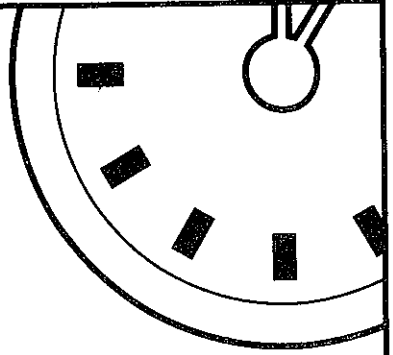
9.  $\frac{(-)}{(+)} = (-)$       Circle: True or False

10.  $\frac{14 \cdot 13 \cdot (-12)}{14 \cdot 13 \cdot 4} =$

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



# MINUTE 18



1.  $18 + (-16) =$

2.  $18 \div -3 =$

3.  $(-5)(6)(-7) =$

4. On Monday Luke's business lost \$15.  
On Tuesday it made \$8. On Wednesday it broke even.  
What is the total profit or loss during those 3 days? \_\_\_\_\_

5.  $\frac{8}{12} + \frac{3}{12} =$

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

7.  $2^2 \cdot 3^2 = 36$       Circle:    True    or    False

8.  $-5 \cdot \sqrt{16} =$

9.  $(-2)(-3) + (-4)(-2) =$

10. If  $a^2 > 20$ , then which of the following could be a value of  $a$ ? *Circle all that apply.*  
a. 6                      b. 3                      c. (-8)                      d. 2

## BONUS!

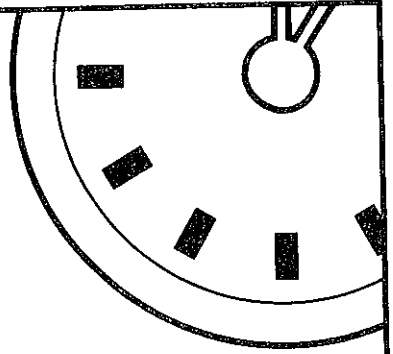
Bees are leaving their hive at a rate of 10 per hour, and they are reentering the hive at a rate of 6 per hour. If the hive starts with 100 bees, how long will it take before the hive is empty? \_\_\_\_\_



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



# MINUTE 19



1.  $0.08 + 0.3 =$  \_\_\_\_\_

2.  $-2 \cdot |-11| =$  \_\_\_\_\_

3.  $(\sqrt{25})^2 =$  \_\_\_\_\_

4. If  $4x - 3 = 25$ , then  $x =$  \_\_\_\_\_.

5.  $4.38 \times 10^3 =$  \_\_\_\_\_

6. Write  $3 \cdot 3 \cdot 4 \cdot 4 \cdot 3 \cdot 4$  using exponents. \_\_\_\_\_

7.  $4 + (-2)(3) =$  \_\_\_\_\_

8. Is it possible for 15% of \$25 to be \$375? Circle: Yes or No

9.  $-6 + -5 =$  \_\_\_\_\_

10. Which value of  $n$  will make  $2n > 8$  true?  
a. 3                      b. 4                      c. 5                      d. -10

**BONUS!** Kyle mows 4 lawns a day, 4 days a week, 4 weeks a month, and 4 months a year. He makes \$25 per lawn. How much money did he make last year? \_\_\_\_\_

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



# MINUTE 20

1.  $(-0.6) + 0.8 =$

2.  $-14 - (2)(3) =$

3.  $8 - (-3) =$

4.  $(7 + \sqrt{9})^2 =$

5. If  $2a + 3 < 10$ , then which of these could be a value of  $a$ ?

a. 6

b. 4

c. 2

d. 10

6. Write 36% as a decimal. \_\_\_\_\_

7. How would you find 28% of 612?

a. Take 0.28 multiplied by 612

b. Take 0.28 divided by 612

c. Take 0.0028 multiplied by 612

d. Take 0.028 divided by 612

8. If  $y = x^2$  and  $x = (-8)$ , then  $y =$  \_\_\_\_\_.

9.  $3|-10| =$

10.  $P = 2L + 2W$ . Find  $P$  if  $L = 10$  and  $W = 5$ . \_\_\_\_\_