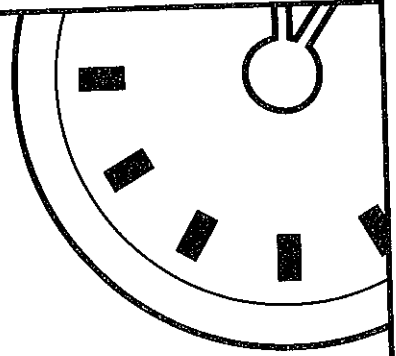


NAME: \_\_\_\_\_



# MINUTE 21



1. Find 16% of 83. \_\_\_\_\_

2.  $3 - \left(-\frac{8}{2}\right) =$

3. Michelle got 23 out of 30 questions correct on her quiz. To find what her percent correct is, Michelle should:
- a. Take 30 divided by 23 and then multiply by 100
  - b. Take 23 divided by 30 and then multiply by 100
  - c. Take 23 multiplied by 30 and then multiply by 100
  - d. Take 30 multiplied by 23 and then multiply by 100

4. Rewrite  $\frac{1}{10}$  as a decimal. \_\_\_\_\_

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

6. Is  $0.\bar{6}$  a rational or an irrational number? \_\_\_\_\_

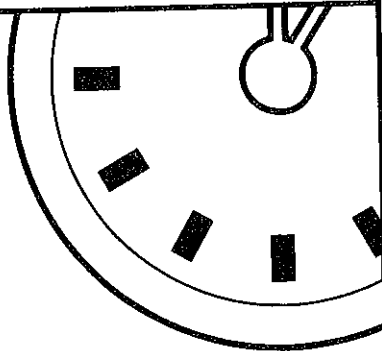
7. Write 0.0382 in scientific notation. \_\_\_\_\_

8.  $\frac{6(-8)}{-4} =$

9.  $\frac{8^{11}}{8^9} =$

10.  $3 + (-3)^2 =$

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



# MINUTE 22

1. Write 16% as a decimal and a fraction. \_\_\_\_\_

2.  $(\sqrt{16} + |-2|)^2 =$

3. What percent is  $\frac{3}{4}$ ? \_\_\_\_\_

4. How would you find out what  $\frac{1}{11}$  is as a decimal using a calculator?

a. Punch in "1 divided by 11"

b. Punch in "11 divided by 1"

c. Punch in "1 times 11"

d. Punch in "11 times 1"

5. If  $-48 = 6(a)$ , then  $a =$  \_\_\_\_\_.

6. Find 10% of 25. \_\_\_\_\_

7. Write the equation to find 12% of 84. \_\_\_\_\_

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

8.  $0.05$  \_\_\_\_\_  $50\%$

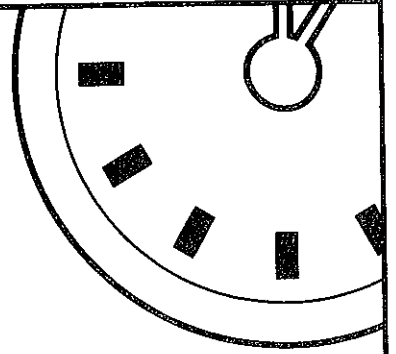
9.  $57.8\%$  \_\_\_\_\_  $0.578$

10.  $\frac{1}{4}$  \_\_\_\_\_  $0.21$

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



# MINUTE 23

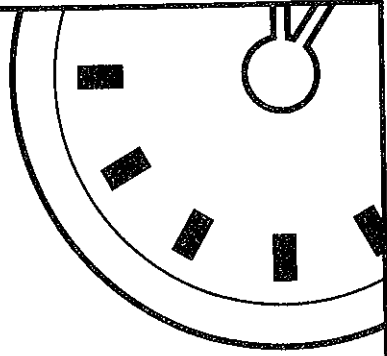


1. Find 15% of \$20. \_\_\_\_\_
  
2. If  $\frac{12}{20} = \frac{x}{100}$ , then  $x =$  \_\_\_\_\_.
  
3. Is it possible for 20% of 45 to be 9?      Circle: Yes    or    No
  
4. What is  $\frac{3}{4}$  of  $\frac{1}{2}$ ? \_\_\_\_\_
  
5. Circle all answers that are equal to 60%.  
a.  $\frac{3}{5}$                       b. 0.6                      c.  $\frac{3}{10}$                       d. 0.06
  
6. If Mark gets 41 out of 55 questions right on a test, what equation would he use to determine the percent correct? \_\_\_\_\_
  
7. Circle the answer that does not belong:  
a. 0.55                      b.  $\frac{11}{20}$                       c. 55%                      d.  $\frac{5}{11}$
  
8. If  $\frac{1}{2} - \frac{1}{3} = x$ , then  $x =$  \_\_\_\_\_.
  
9. Three subtracted from a number is 12. What is the number? \_\_\_\_\_
  
10. Write  $a \cdot a \cdot b \cdot a \cdot b \cdot b \cdot b$  using exponents. \_\_\_\_\_

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



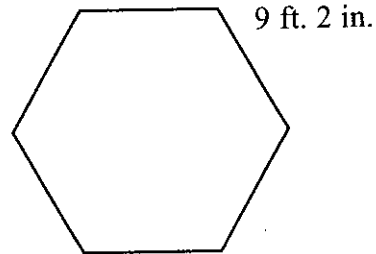
# MINUTE 24



1.  $\frac{3}{5}$  of 25 = \_\_\_\_\_

2. Three times a number is  $-18$ . What is the number? \_\_\_\_\_

3. Find the perimeter of the regular hexagon. \_\_\_\_\_



4. 20% of 35 = \_\_\_\_\_

5. Circle all answers that are equal to 80%.

a. 0.8

b.  $\frac{4}{5}$

c. 0.08

d.  $\frac{8}{10}$

6. Simplify:  $b^2 \cdot b \cdot b =$  \_\_\_\_\_

7. Which of the following is the greatest number?

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

b. 65%

c. 0.55

d. 0.60

8. Evelyn goes to a restaurant and her bill is \$12. She wants to leave a 15% tip. How much should she leave for the tip? \_\_\_\_\_

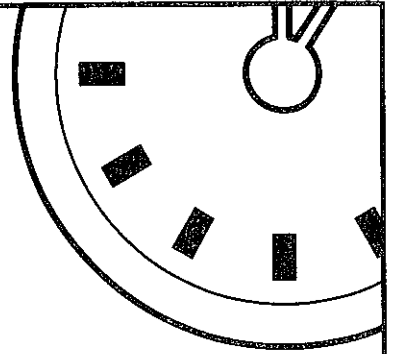
9. What percent is  $\frac{3}{5}$ ? \_\_\_\_\_

10.  $4 \cdot |-8| =$  \_\_\_\_\_

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



# MINUTE 25

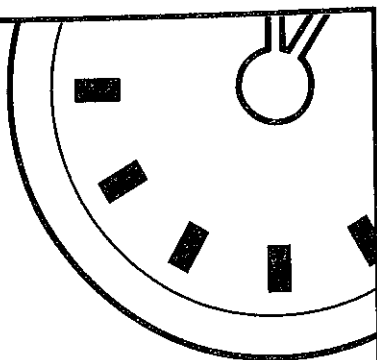


1. 50% of 200 = \_\_\_\_\_
2. A number divided by  $-3$  is  $-5$ . What is the number? \_\_\_\_\_
3. Original price: \$10    New price: \$7    Circle: Discount or Mark Up
4. To find sales tax, multiply the cost of an item by 0.05.  
Circle: True or False
5. Circle the answers that are equal to 8%.  
a. 8                      b. 0.08                      c.  $\frac{4}{50}$                       d.  $\frac{8}{10}$
6. Emily puts \$100 in the bank and earns 4% interest per year.  
How much interest will she earn in one year? \_\_\_\_\_
7. Which answer does not belong?  
a. 0.1                      b. 10%                      c.  $\frac{1}{10}$                       d. 0.001
8. Circle which answer is greater: 10% of 500 or 20% of 400
9.  $4(\sqrt{100}) =$  \_\_\_\_\_
10.  $6^{-2} =$  \_\_\_\_\_

## BONUS!

Grampy Wolf has 7 coins in his pocket worth 65 cents.  
How many quarters, dimes, and nickels does he have? \_\_\_\_\_

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



# MINUTE 26

1.  $\frac{3}{4} \cdot \frac{3}{5} =$

2.  $10.05 = 10\frac{1}{2}$  Circle: True or False

3. Circle the answer that is greater: 20% of 400 or 25% of 500

4. Order from least to greatest:  $\frac{1}{5}$ ,  $\frac{1}{10}$ , 25%, 0.05. \_\_\_\_\_

5.  $-\frac{3}{4} = \frac{-3}{4}$  Circle: True or False

6.  $\left(\frac{-2}{3}\right)\left(\frac{2}{3}\right) =$

7. The reciprocal of  $\frac{3}{11}$  is \_\_\_\_\_.

8. Reduce:  $\frac{-8}{24} =$

9. Find the mean temperature in Eagletown for the past 5 days. \_\_\_\_\_

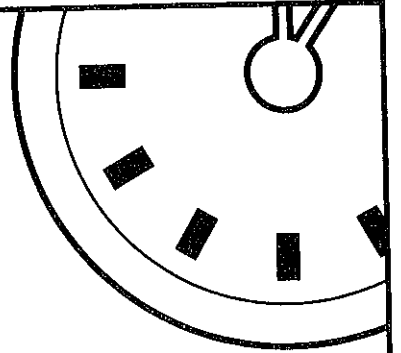
Mon.	Tues.	Wed.	Thurs.	Fri.
60°	80°	65°	75°	70°

10. Write  $\frac{9}{2}$  as a mixed number. \_\_\_\_\_

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



# MINUTE 27



1.  $\frac{3}{8} \cdot \frac{4}{5} =$

2.  $10.75 = 10\frac{3}{4}$       Circle: True or False

3. Order from least to greatest:  $\frac{1}{8}$ , 0.78, 15%,  $\frac{1}{20}$ . \_\_\_\_\_

4.  $-\frac{3}{4} = \frac{(-3)}{4}$       Circle: True or False

5. The reciprocal of  $\frac{1}{20}$  is \_\_\_\_\_.

6. Reduce:  $\frac{-8}{40} =$

7.  $\frac{5}{11} \cdot \frac{-11}{6} =$

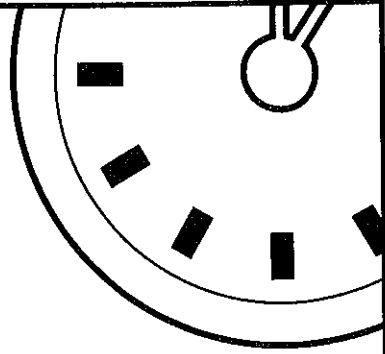
8. Write  $10\frac{3}{4}$  as an improper fraction. \_\_\_\_\_

9. Circle the answer that is greater: 25% of 400 or 20% of 1,000

10. Which of these are prime numbers? Circle all that apply.

5      7      12      8      11      2      20      45

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



# MINUTE 28

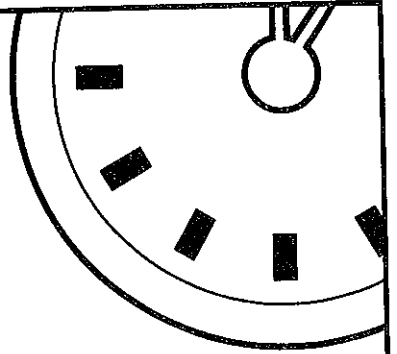
1. When dividing two fractions, you must flip the \_\_\_\_\_ fraction over and then multiply.
  
2. When multiplying fractions such as  $\frac{3}{6} \cdot \frac{2}{8}$  how can the fractions be reduced?  
*Circle all that apply.*
  - a. Up and down
  - b. Diagonally
  - c. Both numbers on the top
  - d. Both numbers on the bottom
  
3. Circle the answer that does not belong:  
 $\frac{3}{4}$       $\left| -\frac{3}{4} \right|$      0.75     0.075     75%
  
4. Compare using  $>$  or  $<$ :  $x \bigcirc y$ , if  $\frac{x}{y} = 0.3$   
and both  $x$  and  $y$  are positive numbers. \_\_\_\_\_
  
5. Which of the following operations always produce a positive answer?
  - a. A negative times a negative
  - b. A negative divided by a negative
  - c. A negative plus a negative
  - d. A negative minus a negative
  
6. What is one-third of one-half? \_\_\_\_\_
  
7. The distance around the earth (circumference) is  $4.0074 \times 10^9$  centimeters.  
Write this in decimal form. \_\_\_\_\_
  
8. Is  $\pi$  a rational or irrational number? \_\_\_\_\_

Insert parenthesis ( ) to make the equation true for Problems 9–10.

9.  $5 - 8 + 2 = -5$
  
10.  $5 \times 3 - 4 + 10 = 1$



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



# MINUTE 29

1.  $\frac{1}{2} \div \frac{3}{4} = \frac{1}{2} \cdot \frac{4}{3}$  Circle: True or False

2.  $-8 \cdot -2 + (-3) \cdot 3 =$

3. Write  $-8\frac{1}{4}$  as an improper fraction. \_\_\_\_\_

4. Write 4,332 in scientific notation. \_\_\_\_\_

5. Original price: \$100 New price: \$68 What is the percent of decrease? \_\_\_\_\_

6. Which one does not belong?

$\frac{1}{4}$

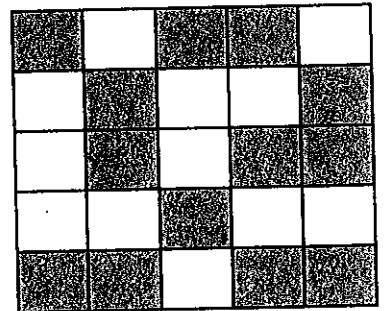
25%

0.25

$\left|-\frac{1}{4}\right|$

0.025

7. What percent of the squares are shaded? \_\_\_\_\_



8. Which value for  $x$  will solve this equation:  $\frac{x}{4} + 2 = 8$ ?

a. 32

b. 16

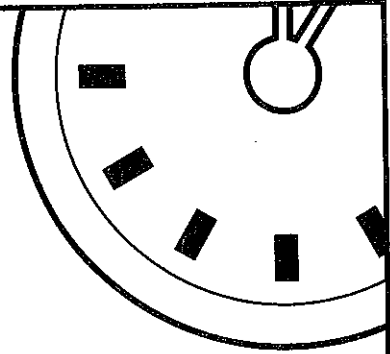
c. 20

d. 24

9. What is  $\frac{1}{2}$  of  $\frac{1}{4}$ ? \_\_\_\_\_

10. If you multiply 3 negative fractions together, your answer will be \_\_\_\_\_.  
Circle: positive or negative

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



# MINUTE 30

1. To divide fractions, flip the first fraction over and then multiply.  
Circle: True or False

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

3. The reciprocal of  $4\frac{1}{3}$  is \_\_\_\_\_.

4. A whole number is a(n) \_\_\_\_\_ number.  
Circle: rational or irrational

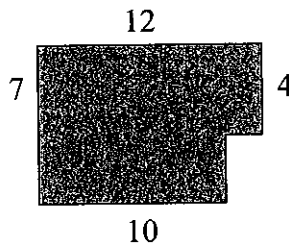
5. Write  $-12\frac{2}{3}$  as an improper fraction. \_\_\_\_\_

6. What is the tax on a \$50 pair of shoes if the tax rate is 6%? \_\_\_\_\_

7.  $\frac{-10 - 9 - 5}{-8} =$

8.  $\frac{1}{8}$  of 80 =

9.  $10^{-2} =$



10. Find the area of the hexagon.

**BONUS!** What is the missing number? \_\_\_\_\_

IN	F	OUT
4	U	7
7	N	13
5	C	9
3	T	5
10	I	19
3	O	5
15	N	?