## **October Practice Test**

Name: \_\_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Word Problems  $\rightarrow$  \_\_\_/10

1) The Royals softball team played 75 games and won 55 of them. What percent of

2) A stock gained 2 points on Monday, lost 5 points on Tuesday, lost 1 point on Wednesday, gained 4 points on Thursday, and lost 6 points on Friday. How much was the gain or loss?

+2+(-5)+(-1)+4-62-6+6

The stock remained the same from Monday to Friday

3) The temperature in Montreal was -15°C. In New York the temperature was +11°C. How many degrees warmer was the temperature in New York?

15° + 11° = 26° 4) In one particular suburb, there are 9 families that own a bulldog. If these owners

make up 36.8% of all dog owners in this suburb, then how many dog owners are there in this neighborhood? (Round to the nearest whole number if necessary).

= 24.5 families

= 24.5 families

There are about 24.5 families

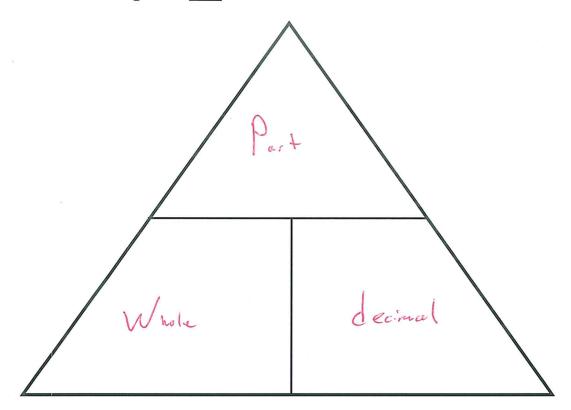
that are day areas

W

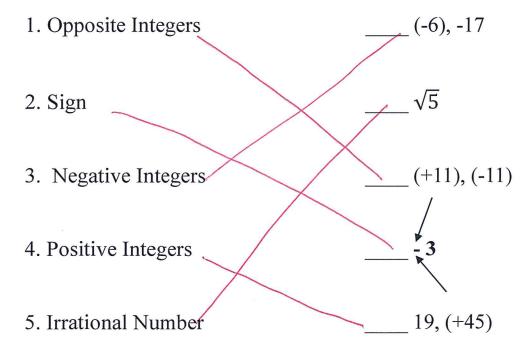
5) Mike decided to look at new and used cars. Mike found a used car for \$28,000. Mike found that he paid 70.0% of the price of a new car. How much would a new car cost? (Round to the nearest whole number if necessary). w?

 $W = \frac{1}{4}$   $-\frac{828000}{7}$   $-\frac{11}{7}$ The new over world cost 40,000.

## Label This Triangle $\rightarrow$ \_\_\_\_/3



## Matching $\rightarrow$ \_\_\_/5



Order each set of integers in order from SMALLEST to LARGEST.	
+12, -12, 11, -10, 0	-12, -10, 0, 11, 12
(+3), 24, +17, -2	-2.3,17,24
$(-10)$ , $\frac{1}{2}$ , $(-20)$ , $-\frac{1}{2}$ , $0$	20-10, - 12, 0 /2,
$+99, -124, +4^{4}, \sqrt{144}, 11$	-124, 11 N144, +99, 44
$(-3)^3$ , $\sqrt{81}$ , -9, (+999), 0	$(-3)^3$ , $-9$ , $0$ , $\sqrt{81}$ , $(+999)$
-27 9	(9, 1) (1)

# Scientific Notation $\rightarrow$ \_\_\_/5

Fill in the values for the following table using Scientific Notation and standard notation rules.

Standard Notation	Scientific Notation
3 2 6 0 0 0	$3.26 \times 10^5$
0.000478	4.78 x10-4
7-83	$2.831 \times 10^{0}$
726,070,000	$7.2607 \times 10^8$
25,600,000	2.56 × 107

#### Integers $\rightarrow$ \_\_\_/10

Please show all of your work/steps.

1. 
$$(+12) + (+12) = +24$$

2. 
$$(-4) + (-9) = -13$$

3. 
$$(-100) - 100 =$$

$$= (-100) + (-100)$$

$$= -200$$

4. 
$$-(4^2) - (+\sqrt{64}) =$$
  
=  $-(4+4) - (+8)$   
=  $-16 + (-8)$   
=  $-24$ 

5. 
$$(-100) - (-100) =$$

$$= -100 + 100$$

$$= 0$$

6. 
$$(-4^2) - (-\sqrt{64}) =$$

$$= (-4 + -4) - (-8)$$

$$= (-4 + 8)$$

$$= 24$$

7. 
$$+250 \div (-10) = -25$$

8. 
$$(-5) \times (-22) = + /(0)$$

9. 
$$-9 \times 9 = -\%$$

10. 
$$-360 \div 90 = -4$$