NAME\_\_\_\_\_

Round the following numbers to the thousandth place.

1.	16,579.1256	2. 34. 876	
3.	1,456.1289123	4 235.4575	
5.	76,411.0005111	60.222226	
Round the following to the tenth place.			
7.	45.235	8. 100.033	
9.	12,457.350	10. 5.159	
11.	0 .34799	12444.63	
Round to the hundred's place.			
13.	-436.45	14. 1,289.444	
15.	1,999.999	16. 298.005	

Perform the following arithmetic operations. Leave your answer as a reduced improper fraction ( $\frac{15}{2}$ ). NO DECIMALS (2.5), NO MIXED NUMBERS ( $3\frac{1}{2}$ ).

17. 
$$\frac{13}{2} + \frac{3}{2} =$$
 18.  $\frac{21}{5} + \frac{46}{5} =$ 

19. 
$$\frac{53}{17} - \frac{87}{17} =$$
 20.  $\frac{-36}{7} - \frac{81}{7} =$ 

21. 
$$\frac{14}{2} - \frac{15}{8} =$$
 22.  $\frac{18}{5} + \frac{12}{7} =$   
23.  $\frac{49}{2} + \frac{-10}{3} - \frac{7}{10} =$  24.  $15 + \frac{9}{5} - \frac{12}{45} =$   
25.  $\frac{9}{5} \cdot \frac{12}{45} =$  26.  $\frac{-4}{7} \cdot \frac{1}{19} \cdot 133 =$ 

27. 
$$\frac{7}{9} \div \frac{147}{162} =$$
 28.  $-15 \div \frac{-5}{13} =$  \_\_\_\_\_

Simplify the following:

 29. 
$$(21)(2) + (-2)(-21) =$$

 30.  $(-2) - (-4) \div (-2) + 6 \bullet 0 =$ 

 31.  $|6-8\cdot4+2| =$ 

 32.  $-|21-28| =$ 

33. 
$$(-3) \div (-1) \div 5 - 12 =$$
\_\_\_\_\_\_ 34.  $|-(5-9)| =$ \_\_\_\_\_\_  
35.  $3(-1+-2+-3+-4) =$ \_\_\_\_\_\_ 36.  $-|-2(-3+-4)| =$ \_\_\_\_\_\_  
37.  $(-3+-8)(-1--7) \div 7 =$ \_\_\_\_\_\_ 38.  $0(-8-2)(-1+-6) =$ \_\_\_\_\_\_  
39.  $|0| =$ \_\_\_\_\_\_ 40.  $(42-52) - (51-2) =$ \_\_\_\_\_\_  
41.  $-(10+3)^2 - (2-8) \div 3 \cdot \frac{5}{7} =$ \_\_\_\_\_  
42.  $7(2-5)^3 + (7-1)^2 - 14 \div 2 =$ \_\_\_\_\_\_  
Insert the correct symbol: < , = or >  
43.  $-|5-8|$  \_\_\_\_\_  $|5-8|$  44.  $-21 \pm 17 - 5(8-3)$  \_\_\_\_\_  $|6-12-4|$   
45.  $-(-2)^3 \pm 4$  \_\_\_\_\_  $(-3)^3 \pm 24$  46.  $(-2)(-5)$  \_\_\_\_\_  $- |10 \bullet 1|$   
47.  $(6) \pm -8 - 4 \div 2$  \_\_\_\_\_  $\left|\frac{-21}{7}\right| - 8$  48.  $\frac{144}{-12} \pm 6 \bullet 3 \pm -5$  \_\_\_\_\_ 0

Solve the following for x. Leave answers as simplified improper fractions.

49. 3(x - 2) = -3 \_\_\_\_\_ 50. 2(x + 5) = -2 \_\_\_\_\_

51.  $\frac{x}{3} + 5 = 9$  \_\_\_\_\_ 52.  $0 = \frac{y}{6} + 8$  \_\_\_\_\_

53. 
$$\frac{5}{8}x = 7$$
 \_\_\_\_\_ 54. -19 - 6(w - 8) = 35 \_\_\_\_\_

55. 
$$1 - \frac{n}{5} = 12$$
 \_\_\_\_\_ 56.  $n - \frac{2n}{5} = 12$ 

Find the area and perimeter of the following. Indicate units of measure.



Write the following words as algebraic expressions.

60.	two less than a number	
61.	a number plus 12	
62.	five times a number	
63.	a number subtracted from 12	
64.	one-half the cube of a number	
65.	five increased by three times a number	
66.	20 less than eight times a number	

Solve the following problems:

67. Joanie wants to make a casserole for dinner on Sunday night. The recipe calls for The following ingredients:

2 pounds of hamburger	$\frac{2}{3}$ cup of chopped onion
$\frac{1}{2}$ tablespoons of ketchup	$\frac{5}{4}$ cup of cooked rice
$\frac{3}{8}$ cup of condensed cream of mushro	pom soup $\frac{2}{5}$ cup of shredded cheese
The recipe made enough food for 8 people,	but she only wanted to make enough for 4.
Rewrite the ingredients needed for her rec	ipe for 4 people.
pounds of hamburger	cup of chopped onion
tablespoons of ketchup	cup of cooked rice
cup of condensed cream of mushro	om soup cup of shredded cheese

68. Jim is building bird houses. In order to make 15 bird houses, he buys the following items:

14 pieces of wood 6 inches by 1 inch by 7 feet 15 old license plates for the roof  $\frac{3}{5}$  of a package of nails  $\frac{1}{6}$  of a package of screws  $\frac{1}{2}$  gallon of paint

Jim has 2 friends who want to work with him to make bird houses. He figures that they should each make 15 bird houses for a total of 45 bird houses. What should his material list look like now?

\_\_\_\_\_ pieces of wood 6 inches by 1 inch by 7 feet
\_\_\_\_\_ old license plates for the roof
\_\_\_\_\_ of a package of nails \_\_\_\_\_\_of a package of screws
\_\_\_\_\_gallon of paint

Your packet should be complete and will be collected by your teacher on the first day of school. Enjoy your time off!!