Round the following numbers to the thousandth place.

1. $16,579.1256 \longrightarrow$
2. $1,456.1289123$ $\qquad$
3. $76,411.0005111$ $\qquad$ 6. -0.222226
4. 34.876 $\qquad$
5. -235.4575 $\qquad$
$\qquad$

Round the following to the tenth place.
7. 45.235 $\qquad$ 8. 100.033 $\qquad$
9. 12,457.350 $\qquad$ 10. 5.159 $\qquad$
11. 0.34799 $\qquad$ 12. -444.63 $\qquad$

Round to the hundred's place.
13. -436.45 $\qquad$ 14. 1,289.444
15. 1,999.999 $\qquad$ 16. 298.005 $\qquad$
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. $\frac{13}{2}+\frac{3}{2}=$ $\qquad$ 18. $\frac{21}{5}+\frac{46}{5}=$
19. $\frac{53}{17}-\frac{87}{17}=$ $\qquad$ 20. $\frac{-36}{7}-\frac{81}{7}=$
21. $\frac{14}{2}-\frac{15}{8}=$ $\qquad$
23. $\frac{49}{2}+\frac{-10}{3}-\frac{7}{10}=$
25. $\frac{9}{5} \cdot \frac{12}{45}=$

27. $\frac{7}{9} \div \frac{147}{162}=$


Simplify the following:
29. $(21)(2)+(-2)(-21)=$ $\qquad$
31. $|6-8 \cdot 4+2|=$ $\qquad$
22. $\frac{18}{5}+\frac{12}{7}=$
24. $15+\frac{9}{5}-\frac{12}{45}=$
26. $\frac{-4}{7} \cdot \frac{1}{19} \cdot 133=$
28. $-15 \div \frac{-5}{13}=$
30. $(-2)-(-4) \div(-2)+6 \cdot 0=$
32. $-|21-28|=$ $\qquad$
33. $(-3) \div(-1)+5-12=$ $\qquad$ 34. $|-(5-9)|=$ $\qquad$
35. $3(-1+-2+-3+-4)=$ $\qquad$ 36. $-|-2(-3+-4)|=$ $\qquad$
37. $(-3+-8)(-1--7)+7=$ $\qquad$ 38. $0(-8-2)(-1+-6)=$ $\qquad$
39. $|0|=$ $\qquad$ 40. $(42-52)-(51-2)=$ $\qquad$
41. $-(10+3)^{2}-(2-8) \div 3 \cdot \frac{5}{7}=$ $\qquad$
42. $7(2-5)^{3}+(7-1)^{2}-14 \div 2=$ $\qquad$

Insert the correct symbol: <, = or >
43. $-|5-8| \geq|5-8|$
44. $-21+17-5(8-3) \_|6-12-4|$
45. $-(-2)^{3}+4 \quad(-3)^{3}+24$
46. $(-2)(-5)$ $\qquad$ $-|10 \bullet 1|$
47.
$(6)+-8-4 \div 2=\left|\frac{-21}{7}\right|-8$
48. $\frac{144}{-12}+6 \cdot 3+-5$ $\qquad$ 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. $0=\frac{y}{6}+8$ $\qquad$
53. $\frac{5}{8} x=7$ $\qquad$ 54. $-19-6(w-8)=35$
55. $1-\frac{n}{5}=12$
$\longrightarrow$
56. $n-\frac{2 n}{5}=12$

Find the area and perimeter of the following. Indicate units of measure.
57.

13 ft .


$$
\text { Area }=
$$

$\qquad$
Perimeter $=$ $\qquad$

Area of Shaded Area= $\qquad$

Area of non - shaded Area $=$ $\qquad$

Perimeter of Shaded Area $=$ $\qquad$
59.


Perimeter $=$ $\qquad$

Area $=$ $\qquad$

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 $\qquad$
66. 20 less than eight times a number $\qquad$
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
$\frac{5}{4}$ cup of cooked rice
$\frac{1}{2}$ tablespoons of ketchup
$\frac{3}{8}$ cup of condensed cream of mushroom 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 recipe for 4 people.
$\qquad$ pounds of hamburger
$\qquad$ tablespoons of ketchup
$\qquad$ cup of condensed cream of mushroom soup
$\qquad$ cup of shredded cheese
cup of chopped onion
___ cup of cooked rice
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!!

