

- 1) Round 6,849 to the nearest hundred. 1) _____
- 2) Suppose that 4 out of 5 people prefer Brand X to Brand Y.
What percent of the people prefer Brand X? 2) _____
- 3) What is 20% of 60? 3) _____
- 4) 50% of what number is 40? 4) _____
- 5) Tom received the following test scores: 88%, 94%, 96%, 82% and 90%
Find the average test score. 5) _____

Write the following expressions in exponential form (i.e. using exponents). Do NOT multiply out the problem.

- 6) $2 \times 2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 5 \times 5$ 6) _____
- 7) List ALL of the Factors of 48 7) _____
- 8) Find the Least Common Multiple (LCM) of 4, 6, 10 and 15 8) _____
- 9) A TV regularly sells for \$450. The store has a 20% off sale on all items in the store.
Find the total cost of the TV, including 7% sales tax. 9) _____
- 10) Round 5.6788 to the nearest thousandth 10) _____
- 11) Eric bought a shirt that regularly sells for \$24. A sign on the rack
says 20% off. Find the sale price of the shirt. 11) _____
- 12) Simplify Completely: $\frac{66}{308}$ 12) _____

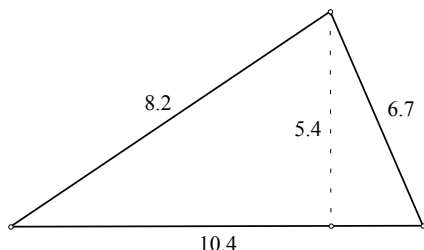
Perform the Indicated Operations. Simplify Your Answers When Possible.

- 13) $3.475 + 2.4 + 5.702$ 14) $8.001 - 5.28$
- 15) $2\frac{1}{5} \cdot 3\frac{1}{2}$ 16) $4\frac{5}{6} + 2\frac{1}{8}$
- 17) $8\frac{2}{7} \div 3\frac{1}{7}$ 18) $8\frac{4}{5} - 5\frac{2}{3}$
- 19) $\frac{1}{5} + \frac{1}{3} \cdot \frac{1}{4}$ 20) $15\frac{1}{4} - 6\frac{3}{5}$
- 21)
$$\begin{array}{r} 56,894 \\ 74,579 \\ + 68,658 \\ \hline \end{array}$$
 22)
$$\begin{array}{r} 81,392 \\ - 54,487 \\ \hline \end{array}$$
- 23)
$$\begin{array}{r} 896 \\ \times 759 \\ \hline \end{array}$$
 24) $62 \overline{)75,210}$
- 25) On a map, 1 inch represents 20 miles. How many miles would $3\frac{1}{2}$ inches represent?
- 26) David makes \$12.50 per hour. He gets time-and-a-half for overtime (hours over 40 hours per week).
If he works 52 hours in a week, find his gross pay.

- 27) Joe paid \$1.00 for a 12 ounce can of Coke out of the vending machine. Find the cost per ounce.
- 28) Bill's truck can travel 487 miles on a tank of gasoline. If the tank holds 22 gals. of gasoline, how many miles per gallon does it average? (round to the nearest tenth of a mpg).

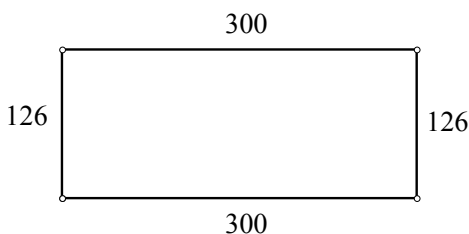
29) Solve the proportion: $\frac{3}{7} = \frac{N}{12}$ 29) _____

- 30) Find the PERIMETER of the triangle below. All units are in cm. 30) _____



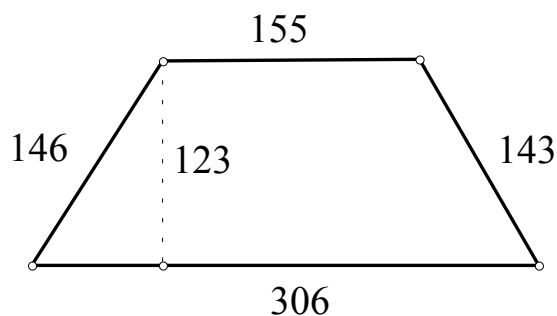
- 31) Find the AREA of the triangle above. All units are in cm. 31) _____

- 32) Find the PERIMETER of the rectangle below. All units are in cm. 32) _____



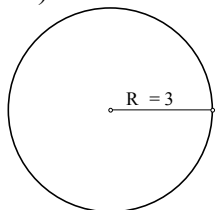
- 33) Find the AREA of the rectangle above. All units are in cm. 33) _____

- 34) Find the PERIMETER of the trapezoid below. All units are in cm. 34) _____



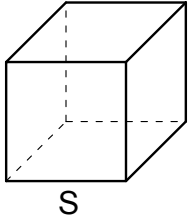
- 35) Find the AREA of the trapezoid above. All units are in cm. 35) _____

- 36) Find the CIRCUMFERENCE of the circle below. All units are in cm. 36) _____

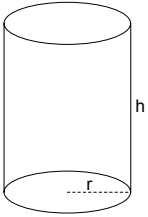


- 37) Find the AREA of the circle above. All units are in cm. 37) _____

38) Find the VOLUME of the Cube below. All sides are 3 feet in length. 38) _____



39) Find the VOLUME of the Cylinder below. The radius is 4 inches and the height is 10 inches.



Fill in the following table with the appropriate conversions

	FRACTION Reduce if possible	DECIMAL	PERCENT
40)	$\frac{3}{4}$		
41)		0.16	
42)			2.5%

Perform The Indicated Operations

- 43) $-6 - 4 =$ 43) _____
- 44) $(3)^4 =$ 44) _____
- 45) $(-2)(-3)(-4) =$ 45) _____
- 46) $\frac{-18}{-6} =$ 46) _____
- 47) $4 - 5 \cdot 3 =$ 47) _____
- 48) $4 + (-7) =$ 48) _____
- 49) $10 - (-7) =$ 49) _____
- 50) $(4 - 6)^2 + 3^2 - 2 \cdot 4 =$ 50) _____