FROM UNIT #3:

1. Write the fraction in simplest form: $\frac{18}{48}$

2. Find the product. Simplify: $\frac{2}{5} \bullet \frac{5}{8} \bullet \frac{16}{49}$

3. Add the fractions $\frac{3}{5}$ and $\frac{5}{11}$.

4. Solve for the value of x:

$$\frac{x}{5} - \frac{1}{15} = \frac{6x+13}{75}$$

5. Fran worked twice as many hours as Jerry. Marcia worked 7 more hours than Jerry. If they worked a total of 27 hours, find out how many hours each worked.

Let J represent the number of hours Jerry worked.

What **expression** represents the number of hours Fran worked?
Fran = _____

What **expression** represents the number of hours Marcia worked?
Marcia = _____

What **equation** represents this problem?

_____

Solve it:

FROM UNIT #4:

6. Solve the equation for the value of x:

$$6.2x-(x-3.7)=5.1x+3.0$$

7. At a grocery store, Sally buys a roast that is marked $7.31. She pays for her purchase with a $50 bill. How much change does she get?

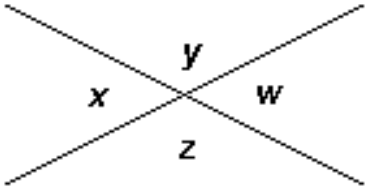
Kit will receive $ _____ in change after her purchase.

8. Consider the following ticket prices (in dollars) for 10 concerts held this school year.

13, 15, 15, 30, 15, 12, 30, 16, 23, 24

Find the Mean, Median, and Mode of the ticket prices.

9. Suppose $m\angle w = 52^\circ$. Find the measures of $\angle x$, $\angle y$, and $\angle z$.



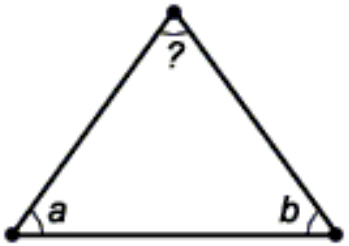
A. $m\angle x = 128^\circ$, $m\angle y = 52^\circ$, and $m\angle z = 128^\circ$

B. $m\angle x = 128^\circ$, $m\angle y = 128^\circ$, and $m\angle z = 52^\circ$

C. $m\angle x = 52^\circ$, $m\angle y = 128^\circ$, and $m\angle z = 52^\circ$

D. $m\angle x = 52^\circ$, $m\angle y = 128^\circ$, and $m\angle z = 128^\circ$

10. Find the measure of the third angle in this triangle.



$a = 51^\circ$ and $b = 67^\circ$

11. A circle has a diameter of 10.6 ft. Find its circumference and area, using 3.14 for π.
(Round your answers to one decimal place.)