After – school help will be on WEDNESDAYS until 4:30 pm, unless it is Early Dismissal. Then it will be on a THURSDAY for just that week. **Sign up link on my weebly.**

Module 7 • Form A
QUIZ REVIEW

1) What percentage of the marbles in the jar are white?

$\underline{8}$ white

1a) Write as a fraction: $\underline{20}$ TOTAL

$\frac{8}{20} = \frac{40}{100}$

1b) Write as a percent: **40 %**

Show work or explain how you converted your fraction to a percent.

- divide $20\overline{)8.0}$ .4
  $.4 = 40\%$
- write an equivalent fraction

2) Antonio baked 150 muffins. Of all the muffins he baked, 40% of them were blueberry. How many blueberry muffins did Antonio bake? **SHOW WORK or explain how you got your answer.**

40% of 150

- Multiply
  150
  $\times .4$
  60.0

  60 blueberry

- $10\% = 15$
  $\times 4$
  60
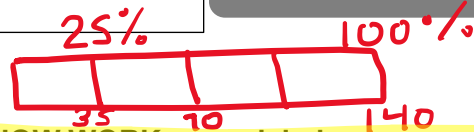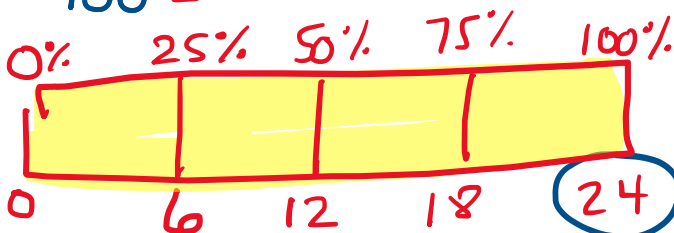
3) Jorge bought 6 large balloons for a party. This was 25% of all the balloons he bought. How many total balloons did Jorge buy? **SHOW WORK or explain how you got your answer.**

$\frac{P}{W} = \frac{25}{100}$

$\left(\frac{6}{} = \frac{25}{100}\right) \times 4$ ×4

24

0%	25%	50%	75%	100%

0   6   12   18   **24**

25%   100%

35   70   140

4) 25% of 140 = $\underline{35}$

$10\% = 14$
$10\% = 14$
$5\% = \frac{7}{35}$

$\begin{array}{r} 2140 \\ \times .25 \\ \hline 700 \\ 2800 \\ \hline 35.00 \end{array}$
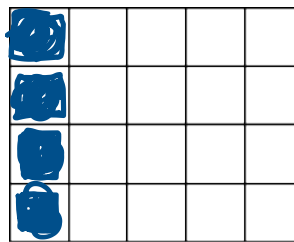
5) _____ % of 500 = 150

$\frac{P}{W} = \frac{\%}{100}$

$\frac{150}{500} = \frac{30}{100}$ ÷5   ÷5

6) 30% of $\boxed{W}$ = 8 **(BONUS)**

$\frac{\%}{100} \, \frac{30}{100} = \frac{8}{} \, \frac{P}{w}$

$8 \times 100 = 800$
$800 \div 30$

$\begin{array}{r} 26.6 \\ 30\overline{)800.0} \\ -60\downarrow \\ \hline 200 \\ -180\downarrow \\ \hline 200 \end{array}$

7) Shade 20% of the whole grid.

20% of 20

$\frac{20}{100} = \frac{1}{5}$

$\begin{array}{r} 20 \\ \times .2 \\ \hline 4.0 \end{array}$

Name_____ Period_____
Mod 7 Quiz Review

8) Kendra earns $70 per week mowing lawns. She saves 60% of the money she earns each week. How many weeks will it take Kendra to save enough money to buy a game system that costs $210?

SHOW WORK or explain how you got your answer.

• Find $ amount saved each week

60% of 70

10% = 7

$$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$$ each week

$$\begin{array}{r} 70 \\ \times .6 \\ \hline 42.0 \end{array}$$

• $42\overline{)210}$

$$\begin{array}{r} 42 \\ + 42 \\ \hline 84 \\ + 42 \\ \hline 126 \\ + 42 \\ \hline 168 \\ + 42 \\ \hline 210 \end{array}$$

(5 weeks)

SHOW WORK or explain how you got your answer for #9 and 10.

There are 500 people at the school carnival.

9) $.4 = 40\%$

$$500\overline{)200.0}$$
$$\underline{-2000}$$
$$0$$

If 200 of the people are students, what percentage of the people at the school carnival are students?

$$\frac{200}{500} \div 5 = \frac{40}{100}$$

$\boxed{40\%}$

10)

If 30% of all the people at the carnival are on a ride, how many people are on a ride?

30% of 500

10% = 50
$$\begin{array}{r} 50 \\ \times 3 \\ \hline 150 \end{array}$$

$$\begin{array}{r} 500 \\ \times .3 \\ \hline 150.0 \end{array}$$

$$\frac{\%}{100} \quad \frac{30}{100} \times 5 = \frac{150}{500} \begin{array}{l} p \\ w \end{array}$$

(150 people)

Name_____ Period_____

Mod 7 Quiz Review