February 3, 2012

Get out your homework... Pink/Blue Review

- Percent Equations - Finding the Whole

If you got a score of 32 on a test and you ended up with an 80%, how many points were possible on the test?

20 is 40% of what number?

Score or total possible?

75% of what is 36?

Score or total possible?

150 is 20% of what?

$$\frac{150}{.20} = \frac{.20 \cdot n}{.20}$$

$$750 = n$$

$150 \div 0.20 = 750$

is → =

of → · (Times)

12% of what is 30?

$$\frac{.12 \cdot n}{.12} = \frac{30}{.12}$$

$$n = 250$$

$30 \div 0.12 = 250$

12 is 2% of what?

$$12 = .02 \cdot n$$
$$\frac{12}{.02} = \frac{.02 \cdot n}{.02}$$
$$600 = n$$

$$12 \div 0.02 = 600$$

78% of what is 85?

$$.78 \cdot n = 85$$
$$\frac{.78 \cdot n}{.78} = \frac{85}{.78}$$
$$n = 109$$

$$85 \div 0.78 = 108.974358974$$

139.2 is 70% of what?

$$139.2 = .7 \cdot n$$
$$\frac{139.2}{.7} = \frac{.7 \cdot n}{.7}$$
$$198.9 = n$$

$139.2 \div 0.7 = 198.857142857143$

31.7 is 24% of what?

$$31.7 = .24 \cdot n$$
$$\frac{31.7}{.24} = \frac{.24 \cdot n}{.24}$$
$$132. = n$$

$31.7 \div 0.24 = 132.0833333$

HOMEWORK

Teal Worksheet WS1

Due Tuesday