November 2, 2011

No Warm-Up! :)

Not correcting today either pink worksheet due tomorrow

Short day because of the assembly (btw, be sure it's in your planner!)

11/2 - Solving Percent Equations using Proportions

"Per<u>cent</u>" means...

out of 100

If you got 22 out of 25 on a quiz, what % is that?

part 22 4 88 part

whole $25 \cdot \sqrt{100}$ whole

Identifyy the part and the whole in each:



part "is" whole "of"

75 is 38% of what number?



Solve each by setting up proportions and solving.

$$\frac{75.}{100} \times \frac{n}{60}$$
 $\frac{100}{100} = \frac{4500}{100}$
 $\frac{100}{100} = 45$

What number is 75% of 60? 40 out of 56 is what percent?

$$\frac{n}{100} \times \frac{40}{56}$$
 $\frac{56}{56} = \frac{4000}{56}$
 $n = 71.4\%$

120 is 25% of what number?

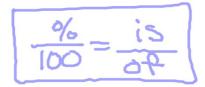
45 is what percent of 180?

$$\frac{n}{180} = \frac{45}{180}$$
 $\frac{180}{180} = \frac{45}{180}$
 $\frac{180}{180} = \frac{45}{180}$
 $\frac{180}{180} = \frac{45}{180}$

Solve each by setting up proportions and solving.

97 is 62% of what number?

$$\frac{62}{100} = \frac{97}{n}$$



84 is what percent of 86?

$$\frac{n}{100} = \frac{84}{86}$$

$$\frac{86n}{86} = \frac{8400}{86}$$

$$n = 97.7$$

27 out of 56 is what percent?

$$\frac{P}{100} = \frac{27}{56}$$

What number is 4% of 110?

$$\frac{4}{100} = \frac{110}{110}$$

Homework:

Lavendoir Worksheet
#1-20acl
Use a culculator

Due Thursday