

WARM UP

Order numbers from least to greatest.

1) $\frac{1}{5}$, 0.26, $\frac{7}{8}$, 15%

2) $\frac{2}{3}$, 78%, 0.15, 0.26

3) 90%, 0.91, $\frac{8}{10}$, $\frac{5}{6}$

MATH COURSE I

Using Percents

October 31,
2012

Mrs. Culverwell

FINDING THE MISSING NUMBER

What percent of 60 is 25? (round answer to nearest percent)

*Setup a proportion

$25/60 = x/100$ (its always out of 100 because it's a percent)

*Cross multiply

$25(100) = 60(x)$

$2,500 = 60x$ (divide by 60 on both sides)

$41\% = x$

ANOTHER EXAMPLE

15 is 25% of what number?

$$15/x = 25/100$$

ONE MORE EXAMPLE

64 is 125% of what number?

$$64/x = 125/100$$

PRACTICE

1) What percent of 320 is 40?

2) 8 is 40% of what number?

YOU TRY!

- 1) 35 is 28% of what number?
- 2) What percent of 59 is 9?
- 3) 9 is 75% of what number?
- 4) 24 is 150% of what number?
- 5) 16 is 200% of what number?
- 6) What percent of 78 is 8?
- 7) 23 is 34% of what number?