PERCENTS: Help

How to turn a fraction into a percent

First turn it into a decimal by dividing(see <u>How to Turn a Fraction into a Decimal</u>), then move the decimal place to the right two places (as if you were multiplying by 100). Example 1: $2/15 = 2 \div 15 = 0.133333 = 13.3\%$

Example 2: 5/4 = 1.25 = 125%

How to find the percent of any number

First turn the percent into a decimal by moving the decimal point to the left two places (as if you were dividing by 100). Then multiply the number by the decimal. Example: 14% of 175 = 0.14 * 175 = 24.5

How to find the percent represented by two numbers

Turn the numbers into a part/whole ratio. Then treat the ratio as a fraction and turn it into a percent as described about. Example: 3 is what percent of 20? The ratio is 3/20, so divide $3 \div 20 = .15 = 15\%$

How to find the whole when you have the percent and the part

Use fact families. Example: Suppose you wanted to know what number 6 is 20% of? Another way to say that is:

20% of what number is 6

Turn that into a multiplication problem where you know the product but not one of the factors:

0.20 * ____ = 6

You can figure out the unknown quantity by dividing 6 by 0.20

 $6 \div 0.20 = 30$

So 20% of 30 is 6.