

Percent Instructional Sheet

Percent is always out of 100 (%): $\frac{25}{100} = 25\%$ $\frac{2}{100} = 2\%$

Think of percent as a decimals to hundredths: $0.25 = 25\%$ $0.02 = 2\%$

$0.603 = 60.3\%$ $0.3 = 0.30 = 30\%$

If you have a fraction with a denominator that is not 100, you have two ways to figure out percent:

1) Find an equivalent fraction out of 100 $\frac{3}{50} = \frac{6}{100} = 6\%$ $\frac{4}{10} = \frac{40}{100} = 40\%$

2) Find the decimal value by dividing or using a calculator

$$\frac{16}{40} \quad 16 \div 40 = 0.4 = 0.40 = 40\%$$

To simplify a fraction, ask yourself...

What number (factor) goes into both the numerator and the denominator?

$$\frac{22}{100} = \frac{11}{50}$$

When you figure out the percentage of a number, think about multiplying

$$25\% \text{ of } 40 \quad 25\% \times 40 \quad 0.25 \times 40 \quad \begin{array}{r} 0.25 \\ \times 40 \\ \hline 10.00 \end{array} \quad 25\% \text{ of } 40 = 10$$