

converting

Fractions, Decimals, and Percentages

Decimal

Divide numerator by denominator:

$$\begin{array}{r} .375 \\ 8 \overline{)3.000} \\ \underline{24} \\ 60 \\ \underline{56} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

convert to

$$\frac{3}{8}$$

Fraction

Percentage

1. Divide numerator by denominator:

$$\begin{array}{r} .375 \\ 8 \overline{)3.000} \end{array}$$

2. Multiply answer by 100 and add a percent sign:

$$.375 \times 100 = 37.5\%$$

Percentage

Multiply by 100 and add a percent sign:

$$.375 = 37.5\%$$

convert to

$$.375$$

Decimal

Fraction

1. Remove decimal point and write the number as the numerator: 375

2. The denominator is a multiple of 10, depending on the place value of the last digit: 1000

3. Write the fraction and reduce to lowest terms:

$$\frac{375}{1000} = \frac{75}{200} = \frac{3}{8}$$

Fraction

1. Divide the percentage by 100 and drop the percent sign:

$$37.5\% = .375$$

2. Write the decimal as a fraction and reduce it to lowest terms:

$$\frac{375}{1000} = \frac{3}{8}$$

convert to

$$37.5\%$$

Percentage

Decimal

Divide the percentage by 100 and drop the percent sign:

$$37.5\% = .375$$