CONVERTING FRACTIONS, DECIMALS AND PERCENTS

**FRACTION**

To change a fraction to a decimal, divide the numerator by the denominator.

\[
\frac{3}{5} = 0.6
\]

**DECIMAL**

To change a decimal to a percent, multiply by 100%:

\[
0.6 = 0.6 \times 100\% = 60\%
\]

Or, move the decimal point 2 places to the right and add the percent sign.

\[
0.6 = 0.60\% = 60\%
\]

**PERCENT**

To change a fraction to a percent,

- Change the fraction to a decimal.
- Change the decimal to a percent.

\[
\frac{3}{5} = 0.6 = 60\%
\]

**PERCENT**

To change a percent to a decimal, drop the percent sign and multiply by 0.01:

\[
1.2\% = 1.2 \times 0.01 = 0.012
\]

Or, move the decimal point 2 places to the left.

\[
1.2\% = 0.12 = 0.012
\]

**DECIMAL**

To change a decimal to a fraction, count the number of decimal places

- Drop the decimal point then place the result over 1 followed by the same number of 0's as decimal places.
- Write the answer in lowest terms (reduce).

\[
0.012 = \frac{12}{1000} = \frac{3}{250}
\]

**FRACTION**

To change a percent to a fraction,

- Change the percent to a decimal.
- Change the decimal to a fraction.

\[
1.2\% = \frac{0.012}{100} = \frac{12}{1000} = \frac{3}{250}
\]

or

- Multiply the fraction by 1/100.