Converting Fractions, Decimals, and Percents

Changing a fraction to a decimal:

Divide the denominator (the bottom part) into the numerator (the top part):

$$\frac{1}{4} = 1 \div 4 = 0.25$$

Changing a fraction to a percent:

Multiply the fraction by 100 and reduce it. Then, attach a percent sign.

$$\frac{1}{4} \times \frac{100}{1} = \frac{100}{4} = \frac{25}{1} = 25\%$$

Changing a decimal to a fraction:

Starting from the decimal point, count the decimal places. If there is one decimal place, put the number over 10 and reduce. If there are two places, put the number over 100 and reduce. If there are three places, put it over 1000 and reduce, and so on.

$$0.25 = \frac{25}{100} = \frac{1}{4}$$

Changing a decimal to a percent:

Move the decimal point two places to the right. Then, attach a percent sign.

$$0.25 = 25\%$$

Changing a percent to a decimal:
Move the understood decimal point two places to the left. Then, drop the percent sign.
$$25\% = 0.25$$

Changing a percent to a fraction:
Put the number over 100 and reduce. Then, drop the percent sign.

$$25\% = \frac{25}{100} = \frac{1}{4}$$