

FRACTIONS, DECIMALS, PERCENTS

To convert fractions into decimals, we start with a fraction, such as $\frac{3}{5}$, and divide the numerator (top number of the fraction) by the denominator (the bottom number of the fraction).

$$3 \div 5 = 0.6$$

To convert a decimal to a percent, we multiply the decimal by 100 (percent means a ratio of a number compared to 100). A short-cut is sometimes used of moving the decimal point two places to the right (which is equivalent to multiplying a number by 100), so $0.6 \times 100 = 60$, and $\frac{3}{5} = 0.6 = 60\%$

To convert a percent to a decimal, we divide the percent by 100.

60% is the same as $60 \div 100$, which is 0.6, so $60\% = 0.6$

To convert a fraction into a percent, we can use proportions to solve:

$$\frac{3}{5} = \frac{x}{100} \quad \text{and using cross multiplication to solve, } 5x = 300 \text{ or } x = 60\%$$