

Fractions, Decimals and Percentages

Fractions, decimals and percentages are three different ways of describing the same thing. They all represent proportion. Because they are the same we can switch between them

Fractions to Decimals

To change a fraction to a decimal we divide the numerator by the denominator. The top number divided by the bottom number.

Decimals to Percentages

To change a decimal to a percentage we multiply by 100.

Percentages to Fractions

A percentage is the same as a fraction over 100.

Fraction	Decimal	Percentage
$\frac{1}{10}$	0.1	10%
$\frac{1}{4}$	0.25	25%
$\frac{1}{2}$	0.5	50%
$\frac{4}{5}$	0.8	80%