Fractions, decimals and percentages



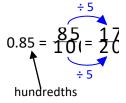
This activity is about converting between fractions, decimals and percentages.

Information sheet

Converting between decimals and fractions

To change a decimal to a fraction: use the place value of the last digit

For example



To change a fraction to a decimal: divide the top by the bottom

For example
$$\frac{4}{5} = 4 \div 5 = 0.8$$

Converting between percentages and fractions or decimals

To write a % as a fraction or decimal: divide by 100

For example
$$64\% = 64 \div 100 = 0.64$$

or
$$64\% = \frac{64}{10} = \frac{16}{25}$$

To write a decimal or fraction as a %: multiply by 100

For example
$$0.125 = 0.125 \times 100 = 12.5\%$$

$$\frac{2}{5} = \frac{2}{5} \times 100$$
 (i.e. $\frac{2}{5}$ of 100%) = 40%

or
$$\frac{2}{5} = 2 \div 5 \times 100 = 40\%$$