

## Percentage calculations

A percentage is simply another way of writing a fraction or decimal. "Percentage" means "per hundred".

When a student completes assessments in any curriculum area and a numerical score is given, they could reinforce their percentage knowledge by calculating the percentage score they achieved.

E.g. A student completes an assessment and achieves 46 marks out of a possible 50

As a fraction that is 48 out of 50, expressed as  $\frac{48}{50}$ .

We find an equivalent fraction that is "out of 100":

$$\begin{aligned}\frac{48}{50} &= \frac{96}{100} \\ &= 96\%\end{aligned}$$

Or, if the fraction cannot easily be scaled to a denominator of 100 we can multiply the fraction by 100:

$$\frac{48}{50} \times 100 = 96\%$$

The student achieved 96% of the marks in their assessment.

Video: <https://youtu.be/KH265C3cpoc> (Expressing a quantity as a percentage)