Calculating Percentage Changes

Formula:

$$\frac{\text{New number – original number} \times 100}{\text{Original number}}$$

Example:

Olivia made sales of pet food of £92 000 in 2015 and £95 000 in 2016. Calculate the percentage change in sales between the two years.

Answer:

$$\frac{£95\ 000\ \text{(new)} - £92\ 000\ \text{(original)} \times 100}{£92\ 000\ \text{(original)}}$$

3.3% (1.d.p)

Therefore, Olivia's sales increased 3.3% between 2015 and 2016.