


Percentage Change

To calculate percentage change, find the numerical change and then convert this into a percentage of the original amount.

$$\text{Percentage change} = \frac{\text{change}}{\text{original}} \times 100$$

Percentage profit and loss can be calculated using this formula.

 **Example** I buy a painting for £200. I then sell it for £230.
What is my percentage profit?

- 1 Find the **change in price**: £230 – £200 = **£30**
- 2 Calculate the **change** as a percentage of the **original amount**:

$$\text{Percentage change} = \frac{\text{change}}{\text{original}} \times 100 = \frac{30}{200} \times 100 = 15\%$$