



## Changing decimals to percentages using multiplication

The **quick** way to change a **decimal into a percentage** is to **multiply it by 100**.

For example, to write 0.75 as a percentage, multiply it by 100:

$$0.75 \times 100 = 75$$

So 0.75 as a percentage is 75% - remember to add the **% sign**.

Try another example. Write 0.05 as a percentage.

Take 0.05 and multiply it by 100:

$$0.05 \times 100 = 5$$

So 0.05 as a percentage is 5% - again remember to add the **% sign**.

Notice that **small decimals make small percentages**.

Here are some more decimals multiplied by 100 to make percentages:

$$0.05 \times 100 = 5 \quad \text{so} \quad 0.05 = 5\%$$

$$0.1 \times 100 = 10 \quad \text{so} \quad 0.1 = 10\%$$

$$0.25 \times 100 = 25 \quad \text{so} \quad 0.25 = 25\%$$

$$0.5 \times 100 = 50 \quad \text{so} \quad 0.5 = 50\%$$

$$0.66 \times 100 = 66 \quad \text{so} \quad 0.66 = 66\%$$

$$0.9 \times 100 = 90 \quad \text{so} \quad 0.9 = 90\%$$

$$0.99 \times 100 = 99 \quad \text{so} \quad 0.99 = 99\%$$

$$1.0 \times 100 = 100 \quad \text{so} \quad 1.0 = 100\%$$