

Dividing amounts by 10, 100 and 1,000

Working with metric and decimal units

Being able to divide by 10, 100 and 1,000 is useful when you want to convert between units. Here are some rules and examples, starting with pounds and pence.

$$\text{£ } 1 = 100 \text{ p}$$

Divide by 100 to change pence into pounds.

Examples: $139 \text{ p} = 139 \div 100 = \text{£}1.39$

$$225 \text{ p} = 225 \div 100 = \text{£}2.25$$

$$1 \text{ kg} = 1,000 \text{ g}$$

$$1 \text{ litre} = 1,000 \text{ ml}$$

Divide by 1,000 to change grams into kilograms and to change millilitres into litres.

Examples: $4,000 \text{ g} = 4,000 \div 1,000 = 4 \text{ kg}$

$$750 \text{ ml} = 750 \div 1,000 = 0.750 \text{ l} = 0.75 \text{ l}$$

$$1 \text{ cm} = 10 \text{ mm}$$

Divide by 10 to change millimetres into centimetres.

Examples: $105 \text{ mm} = 105 \div 10 = 10.5 \text{ cm}$

$$50 \text{ mm} = 50 \div 10 = 5 \text{ cm}$$

$$10 \% = \frac{1}{10}$$

Divide by 10 to get 10%

Examples: $10\% \text{ of } \text{£}65 = 65 \div 10 = \text{£}6.50$

$$10\% \text{ of } \text{£}4.30 = 4.3 \div 10 = \text{£}0.43$$