

1 Convert $2\frac{1}{2}$ kilograms into grams.

Circle your answer.

$$2.5 \times 1000 = 2500 \text{ g}$$



[1 mark]

25 grams

250 grams

2500 grams

25 000 grams

- 2 What is 260 millimetres in centimetres?
Circle your answer.

$$260 \div 10 = 26$$

[1 mark]

0.26 cm

2.6 cm

26 cm



2600 cm

- 3 Lily's age is 2 years and 4 months.
Hugo's age is 1 year and 8 months.

Write Lily's age in months as a fraction of Hugo's age in months.

Give your fraction in its simplest form.

[2 marks]

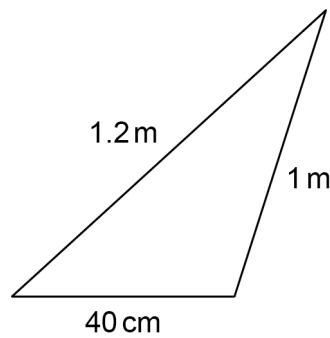
$$\text{Lily: } (2 \times 12) + 4 = 28 \text{ months}$$

$$\text{Hugo: } (1 \times 12) + 8 = 20 \text{ months}$$

$$\text{Fraction: } \frac{28 \div 4}{20 \div 4} = \frac{7}{5}$$

Answer $\frac{7}{5}$ (2)

4 (a) Here is a triangle.



Not drawn
accurately

Work out $\frac{\text{length of shortest side}}{\text{length of longest side}}$

Give your answer as a fraction in its simplest form.

[2 marks]

$$1.2 \text{ m} \times 100 = 120 \text{ cm}$$

$$1 \text{ m} \times 100 = 100 \text{ cm}$$

$$\frac{40 \text{ cm}}{120 \text{ cm}} = \frac{4}{12} = \frac{1}{3}$$

Answer $\frac{1}{3}$ (2)

- 5 (a)** Write a suitable unit for measuring each amount.
One has been done for you.

[2 marks]

	Unit
Distance from London to Manchester	kilometres
Length of a pencil	centimetres (1)
Mass of a pound coin	grams (1)

- 6 A factory packs x boxes of teabags per hour.
Each box contains 80 teabags.

Show that the factory packs $\frac{4x}{3}$ teabags per minute.

[2 marks]

$$80 \times x = 80x \text{ (1)}$$

$$\frac{80x}{1 \text{ hour}} \times \frac{1 \text{ hour}}{60 \text{ mins}} = \frac{80}{60} x \text{ per mins (1)}$$

$$= \frac{4x}{3} \text{ per mins}$$

- 7 (a) Complete the statement.

$m \xrightarrow{\times 100} cm$

[1 mark]

$$2m \times 100 = 200 cm$$

2 metres = 200 centimetres

- 7 (b) Complete the statement.

$kg \xrightarrow{\times 1000} g$

[1 mark]

$$8 kg \times 1000 = 8000 g$$

8 kilograms = 8000 grams

- 7 (c) Convert 24 kilometres to miles.

Use 8 kilometres = 5 miles

[2 marks]

$$\frac{24 km}{8 km} \times \frac{5 miles}{1} = 15 miles$$

Answer 15 miles