

Length and perimeter

Date: _____

Let's remember

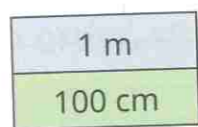
- Which is longer, 18 cm or 18 mm? _____
- Annie has 4 t-shirts and 5 pairs of shorts.
How many different combinations of outfits can Annie make?

3 $32 \times 7 =$

4 $35p +$ $p = \text{£}1$

Let's practise

- 1 There are 10 mm in 1 cm and 100 cm in 1 m.



mm = millimetre,
cm = centimetre,
m = metre

Use the bar models to complete the sentences.

a)

1 cm	1 cm	1 cm	1 cm
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 mm is equal to 4 cm

b)

10 mm	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
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70 mm is equal to cm

c)

100 cm	100 cm	100 cm	100 cm	100 cm
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 500 cm is equal to m

- 2 Complete the sentences.

a) $10 \text{ mm} =$ cm

b) $30 \text{ mm} =$ cm

c) $\text{mm} = 9 \text{ cm}$

d) $100 \text{ cm} =$ m

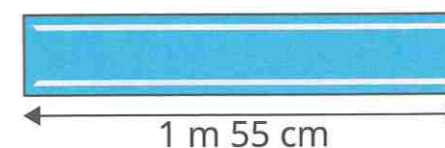
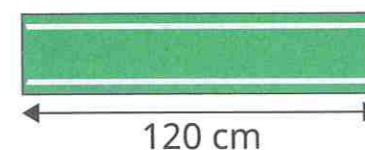
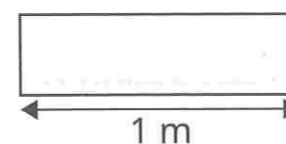
e) $700 \text{ cm} =$ m

f) $\text{cm} = 6 \text{ m}$

- 3 Write "longer" or "shorter" to complete the sentences.

- 3 m is _____ than 299 cm.
- 95 mm is _____ than 10 cm.
- 1 m 70 cm is _____ than 107 cm.

- 4 Whitney buys 3 lengths of ribbon.



- a) What is the total length of the white, green and blue ribbons?

cm

- b) Tommy buys a yellow ribbon that is 65 cm longer than Whitney's blue ribbon. What is the length of Tommy's ribbon?

cm

Crack the code

Use your answers in the coloured boxes to crack the code.

375	20	3	220	5	600
t	l	n	h	e	g

Can you use the code word in a sentence?



Think it out

100 cm = 1 m

Use this fact to write each length as a fraction of a metre.

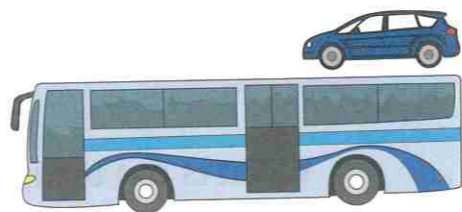
50 cm = $\frac{\square}{\square}$ m

25 cm = $\frac{\square}{\square}$ m

Real world maths

A bus is about 2 and a half cars long.

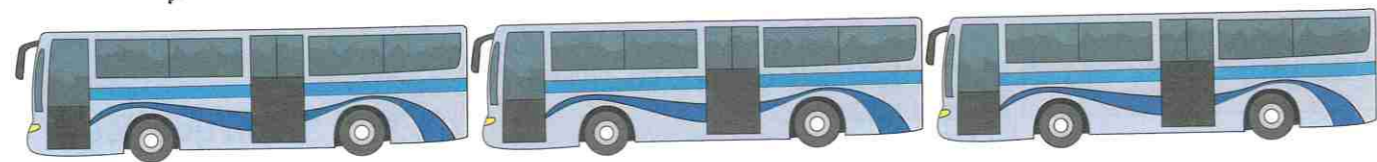
A car is about 3 m long.



About how long is a bus in whole metres? _____

About how long is a bus in metres and centimetres? _____

About how long are 3 buses parked end to end? _____



How did you find these questions?



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1 How many centimetres are there in 5 metres? cm

2 Which is shorter, 8 mm or 8 cm? _____

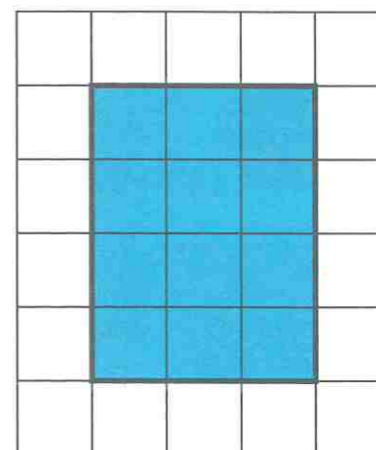
3 68 divided by 4 =

4 Complete the number track.

	6	9				21
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Let's practise

1 Tiny and Jo are working out the perimeter of this rectangle.



The perimeter is 12 cm. I counted the coloured squares inside the rectangle.

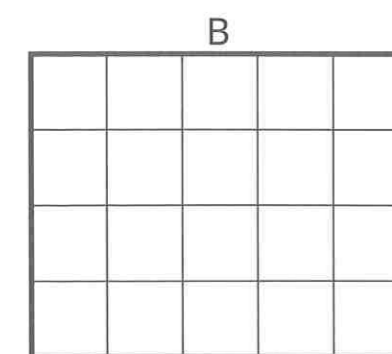
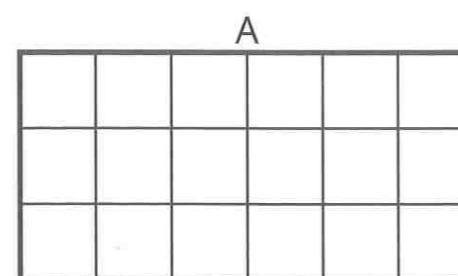


The perimeter is 14 cm. I counted the squares around the sides of the rectangle.

Who do you agree with? _____

Why? _____

2 Work out the perimeter of these rectangles.



A = cm

B = cm

C = cm

