

Can I compare lengths in
metres (m) and
centimetres (cm)?

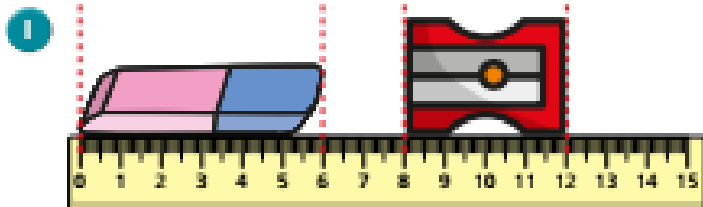
Year 3 and 4, Thursday 28th January 2021 SEND

Watch the video

- <https://vimeo.com/430299221>
- Now complete the questions on the next slides

Compare lengths

Write
Wise
Maths



Choose a word to complete the sentences.

shorter

longer

The rubber is _____ than the sharpener.

The sharpener is _____ than the rubber.

2 Write $<$, $>$ or $=$ to compare the statements.

a) 9 cm 23 cm

b) fifty metres 50 m

c) one metre 1 cm

3 Write digits in the boxes to make the statements correct.

a) cm $<$ 41 cm

b) 14 m $<$ m

c) 14 cm $>$ cm

d) 12 m $<$ m $<$ 20 m

Is there more than one answer for each?

4 Would you measure each one using centimetres or metres?

Tick your answer.

	centimetres	metres
a) the height of a baby	<input type="checkbox"/>	<input type="checkbox"/>
b) the length of a pencil	<input type="checkbox"/>	<input type="checkbox"/>
c) the height of a school	<input type="checkbox"/>	<input type="checkbox"/>
d) the height of your teacher	<input type="checkbox"/>	<input type="checkbox"/>

What else would you measure in metres?

5 Write $<$, $>$ or $=$ to compare the statements.

a) $39 \text{ cm} + 9 \text{ cm}$ 47 cm

b) $22 \text{ m} - 6 \text{ m}$ $0 \text{ m} + 15 \text{ m}$

c) $4 \text{ cm} + 13 \text{ cm}$ $20 \text{ m} - 3 \text{ m}$

6

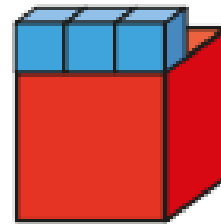
$5 \text{ m} = 5 \text{ cm}$

a) Why is the statement wrong?
Talk about it with a partner

b) Write $<$ or $>$ to correct the mistake.

5 m 5 cm

7 One large cube is three times as long as one small cube.



One small cube is 5 cm long.

a) How long are 2 small cubes?

 cm

b) How long are 10 small cubes?

 cm

c) How long is 1 large cube?

 cm

d) How long are 2 large cubes?

 cm

True or False?

Compare lengths

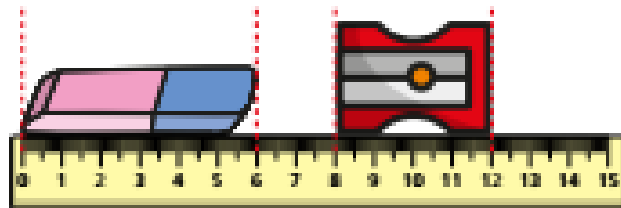
$$70 \text{ cm} = 7 \text{ m}$$

ANSWER sheets

- Please check your answers using the answer sheets on the next slide.
- If you have made a mistake, can you explain what you did wrong and what you should have done instead?

Compare lengths

- 1 Write $<$, $>$ or $=$ to compare the statements.



Complete the sentences.

shorter

longer

The rubber is longer than the sharpener.

The sharpener is shorter than the rubber.

- 2 Write $<$, $>$ or $=$ to compare the statements.

- a) 9 cm $<$ 23 cm
 b) fifty metres $=$ 50 m
 c) one metre $>$ 1 cm

- 3 Write digits in the boxes to make the statements correct. e.g.

a) $\boxed{40}$ cm $<$ 41 cm

b) 14 m $<$ $\boxed{15}$ m

c) 14 cm $>$ $\boxed{10}$ cm

d) 12 m $<$ $\boxed{17}$ m $<$ 20 m

Is there more than one answer for each?

- 4 Would you measure each one using centimetres or metres?

Tick your answer.

centimetres metres

- | | | |
|-------------------------------|-------------------------------------|-------------------------------------|
| a) the height of a baby | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) the length of a pencil | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) the height of a school | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) the height of your teacher | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

What else would you measure in metres?

5 Write $<$, $>$ or $=$ to compare the statements.

a) $39 \text{ cm} + 9 \text{ cm}$ $>$ 47 cm

b) $22 \text{ m} - 6 \text{ m}$ $>$ $0 \text{ m} + 15 \text{ m}$

c) $4 \text{ cm} + 13 \text{ cm}$ $<$ $20 \text{ m} - 3 \text{ m}$

6

$5 \text{ m} = 5 \text{ cm}$

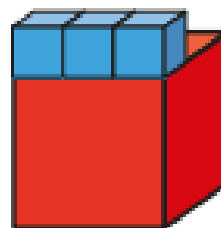
a) Why is the statement wrong?

Talk about it with a partner

b) Write $<$ or $>$ to correct the mistake.

5 m $>$ 5 cm

6 One large cube is three times as long as one small cube.



One small cube is 5 cm long.

a) How long are 2 small cubes?

10 cm

b) How long are 10 small cubes?

50 cm

c) How long is 1 large cube?

15 cm

d) How long are 2 large cubes?

30 cm

False

There are 100 cm in a metre so
 $700 \text{ cm} = 7 \text{ m}$