

Can I find equivalent lengths?

Year 3 and 4, Wednesday 27th January 2021

Watch the video

- <https://vimeo.com/467395290>
- Now complete the questions on the next slides

Equivalent lengths – mm and cm

- 1 There are 10 millimetres (mm) in 1 centimetre (cm).

Use the bar models to complete the sentences.

1 cm

10 mm

a)

1 cm	1 cm	1 cm

There are mm in 3 cm.

b)

1 cm	1 cm	1 cm	1 cm	1 cm	1 cm	1 cm

There are mm in 7 cm.

c)

10 mm	10 mm	10 mm	10 mm

There are 40 mm in cm.

- 2 Match the equivalent lengths.

1 cm 3 mm

3 cm 1 mm

30 mm

33 mm

30 cm

300 mm

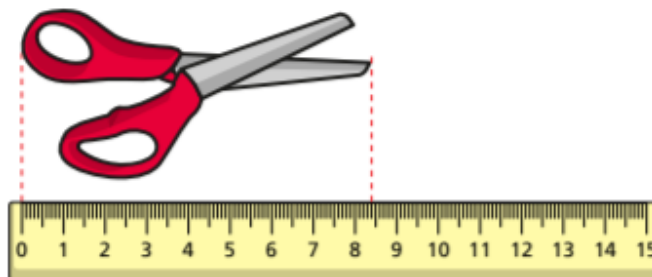
13 mm

31 mm

3 cm 0 mm

3 cm 3 mm

- 3 How long are the scissors?



The scissors are cm and mm long.

The scissors are mm long.

- 4 Find three items in your classroom.
Measure them and complete the table.
One has been done for you.

Item	Length in cm and mm	Length in mm
toy car	9 cm 6 mm	96 mm

- 5 Filip and Kim are building towers using cubes.
Each cube is 3 cm high.

- a) Filip uses 6 cubes.
How tall is Filip's tower?
Give your answer in millimetres.

Filip's tower is mm tall.

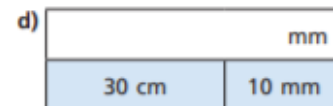
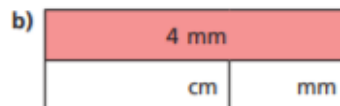
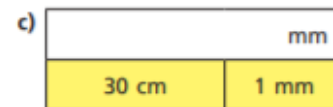


- b) Kim's tower is 300 mm tall.

How many cubes does she use?

Kim uses cubes.

- 6 Complete the bar models.



Lightbulb task – use an ACE answer

Answer Calculate Explain

True or False ?

Equivalent lengths - mm & cm

One centimetre = ten millimetres.

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?

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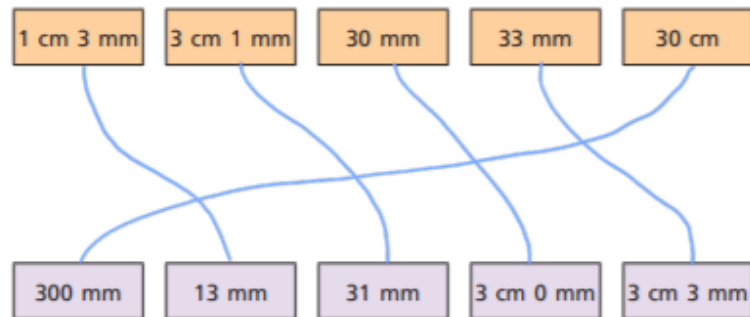
There are mm in 7 cm.

c)

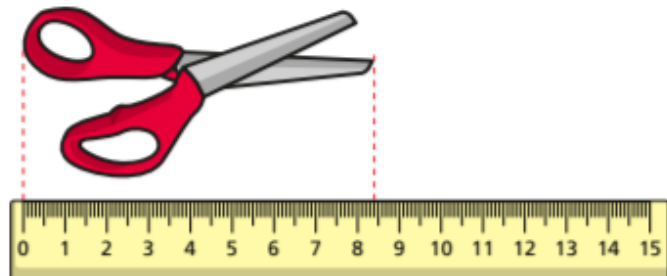
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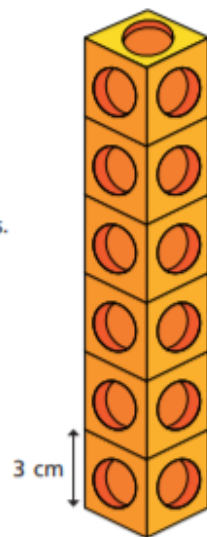
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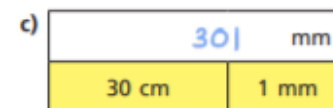


- b) Kim's tower is 300 mm tall.

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ACE answer lightbulb task

True or False ?

Equivalent lengths - mm & cm

Answer

True

Calculation

One centimetre = Ten millimetres.

Explanation

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