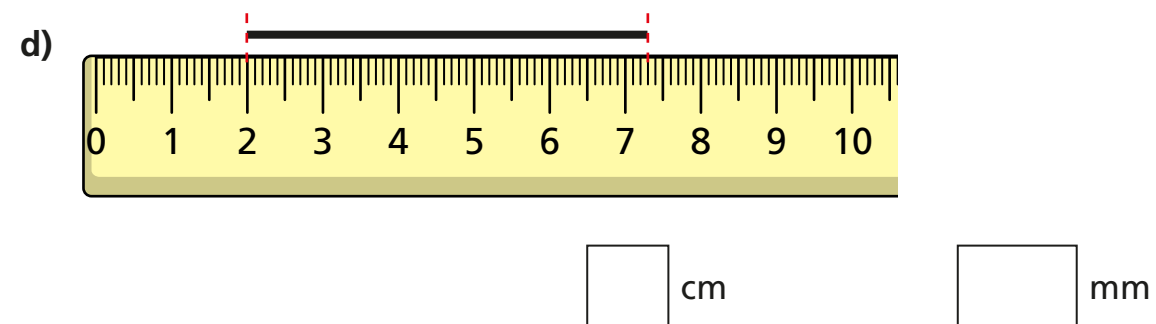
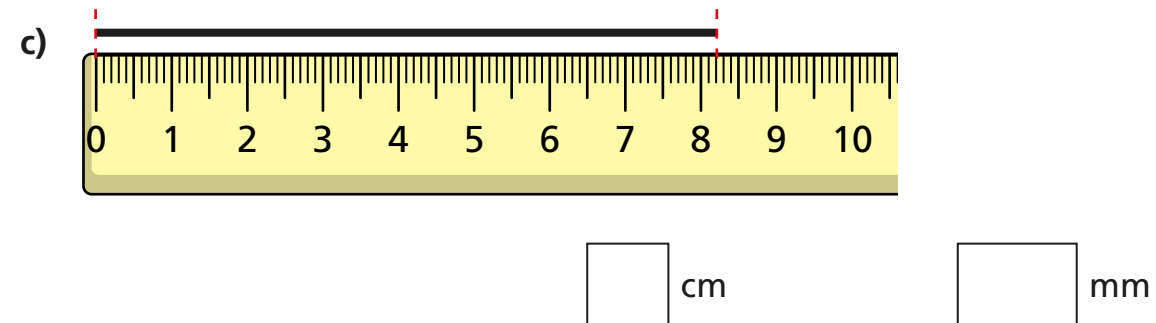
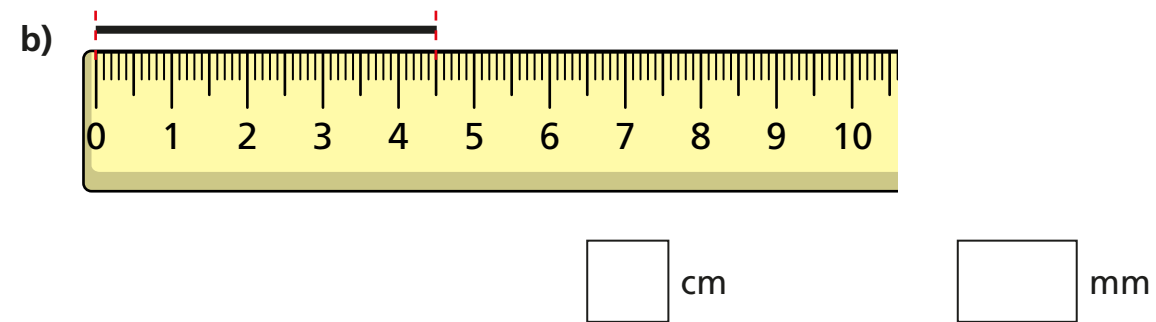
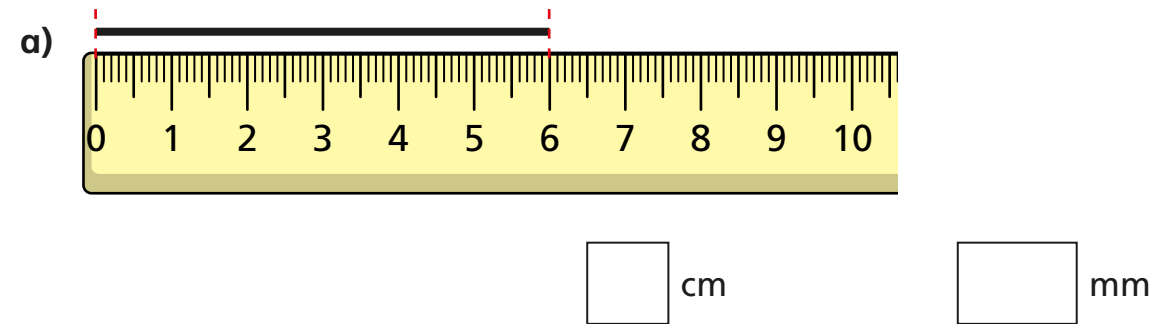


# Metric units

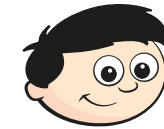
- 1 How long is each line?  
Give your answer in both centimetres and millimetres.



- 2 Complete the conversion.

1 cm =  mm

- 3 Dexter is converting units of measure.



If I know how many millimetres are in 1 cm, and how many centimetres are in 1 m, then I can work out how many millimetres are in 1 m.

Complete Dexter's workings to show that he is correct.

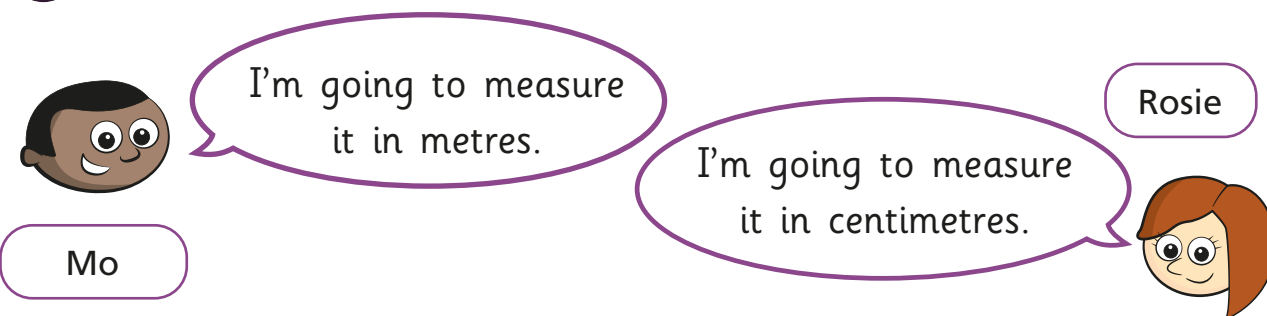
1 m =  cm  
1 cm =  mm  
so, 1 m =  mm

What other conversions could you work out using Dexter's method?

- 4 Complete the conversions.

- a) 15 cm =  mm      e)  cm = 0.2 m  
b) 12 m =  cm      f) 4.65 m =  cm  
c) 16.5 m =  cm      g) 52,000 mm =  cm  
d)  mm = 165 cm      h) 52,000 mm =  m

- 5 Mo and Rosie are measuring the length of the playground.



- a) Whose unit of measure is more appropriate? \_\_\_\_\_

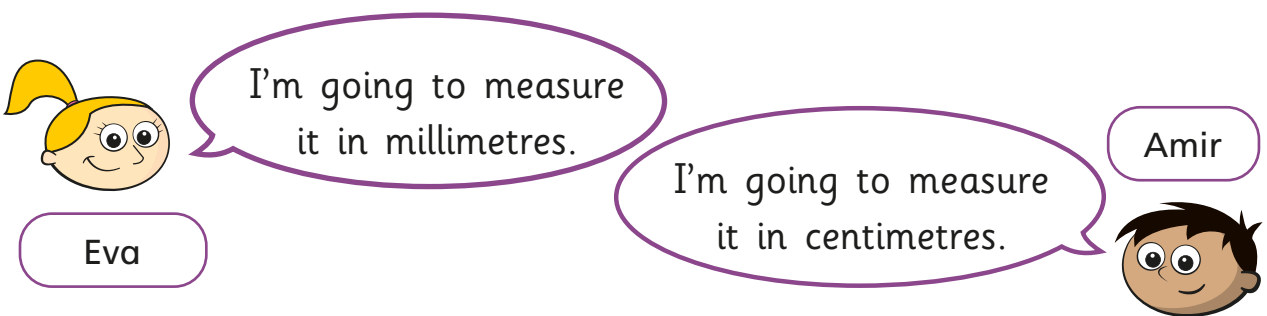
Explain your answer.

- b) Rosie has measured the length of the playground as 563 cm.

What answer will Mo get in metres?

 m

- 6 Eva and Amir are measuring the length of a paper clip.



- a) Whose unit of measure is more appropriate? \_\_\_\_\_

Explain your answer.

- b) Amir has measured the length of the paper clip as 0.8 cm.

What answer will Eva get in millimetres?

 mm

- 7 The table shows the heights of four sunflowers.

Sunflower	A	B	C	D
Height	0.86 m	91 cm	640 mm	72 cm

Put the sunflowers in order, starting with the shortest.

\_\_\_\_\_

- 8 The depth of a plank is 15 mm.

12 of the planks are stacked on top of each other.

What is the depth of the stack of planks?

Give your answer in centimetres.


 cm

- 9 Dexter is 146 cm tall.

Annie is 0.27 m shorter than Dexter.

How tall is Annie?

Give your answer in metres.

 m

- 10 The thickness of a 20p coin is 2 mm.

Tommy stacks £4 worth of 20p coins on top of each other.

How tall is the stack of coins?

Give your answer in centimetres.


 cm