

Equivalent lengths (metres and centimetres)



1 There are 100 centimetres (cm) in 1 metre (m).

1 m
100 cm

Use the bar models to complete the sentences.

a)

1 m	1 m	1 m

There are cm in 3 m.

b)

1 m	1 m	1 m	1 m	1 m	1 m

There are cm in 6 m.

c)

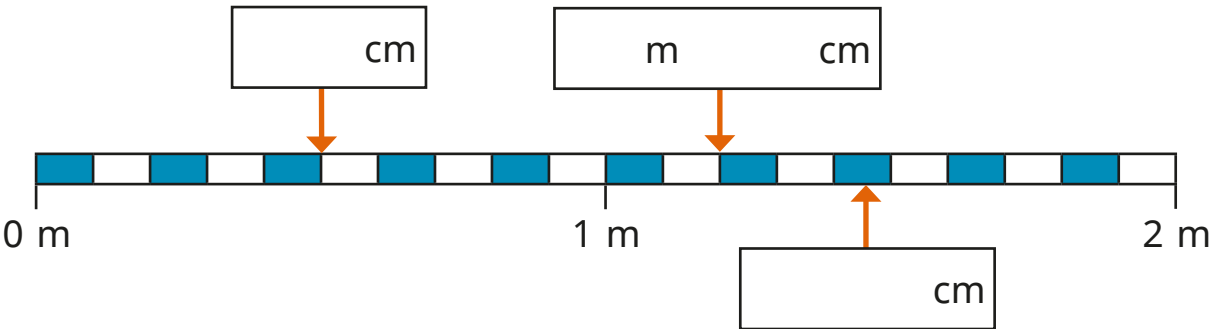
100 cm	100 cm	100 cm	100 cm	100 cm

There are 500 cm in m.

2 Complete the table to show equivalent lengths and continue the pattern.

cm	m and cm
310 cm	3 m and 10 cm
320 cm	m and cm
330 cm	m and cm
cm	3 m and 40 cm
cm	3 m and 50 cm
cm	m and cm
cm	m and cm
cm	m and cm
cm	m and cm
cm	m and cm

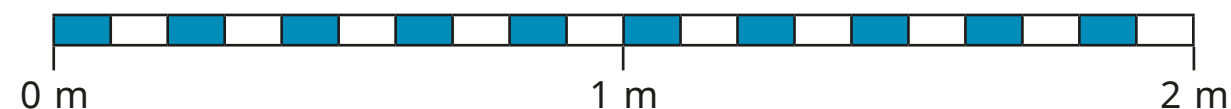
3 Write the missing measurements.





- 4 Draw arrows to show the position of each measurement.

20 cm	0 m 75 cm	130 cm	1 m 65 cm
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- 5 Complete the bar models.

a)

160 cm	
m	cm

c)

cm	
4 m	10 cm

b)

268 cm	
m	cm

d)

cm	
2 m	5 cm

- 6 Complete the sentences.

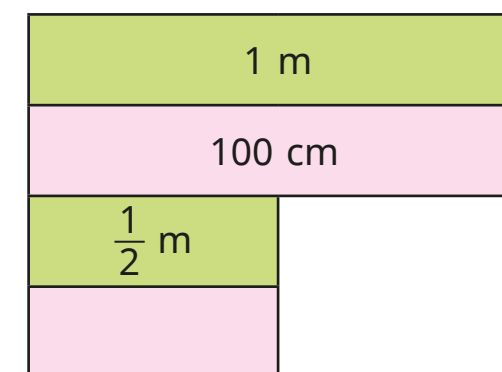
a) 319 cm = m and cm

b) 508 cm = m and cm

c) 2 m and 15 cm = cm

d) 8 m and 3 cm = cm

- 7 Use the bar models to help complete the equivalent lengths.



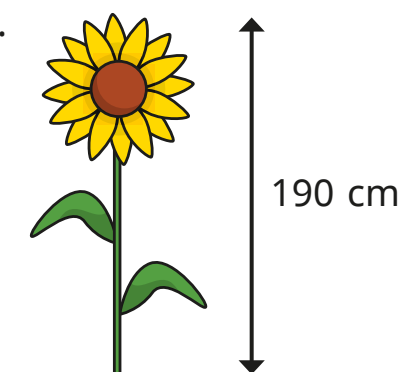
a) $\frac{1}{2}$ m = cm

c) 750 cm = m

b) $4\frac{1}{2}$ m = cm

d) m = 550 cm

- 8 Here is Huan's sunflower.



Dani's sunflower is 2 m and 30 cm.

The height of Tom's sunflower is exactly halfway between the heights of Huan's and Dani's sunflowers.

How tall is Tom's sunflower?

Write your answer in metres and centimetres.

m and cm

