

Equivalent lengths – m and cm

1

There are 100 centimetres (cm) in 1 metre (m).
Use the bar models to complete the sentences.

1 m
100 cm

a)

1 m	1 m	1 m

There are cm in 3 m.

b)

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

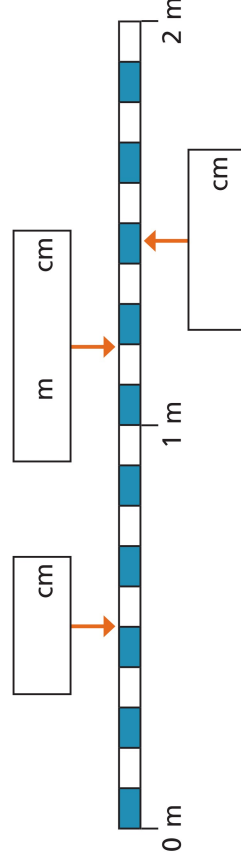
There are 500 cm in m.

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

3

Write the missing measurements.



4 Draw an arrow to show the position of each measurement.



A	B	C	D
20 cm	0 m 75 cm	130 cm	1 m 65 cm

5 Complete the bar models.

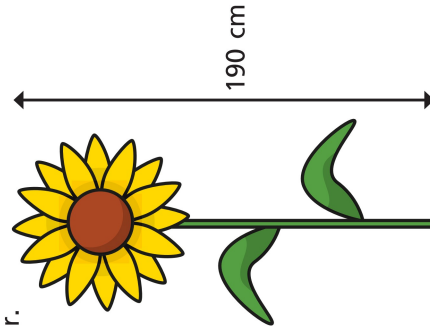
a)	<table><tr><td>160 cm</td><td>cm</td></tr><tr><td>m</td><td></td></tr></table>	160 cm	cm	m	
160 cm	cm				
m					
b)	<table><tr><td>268 cm</td><td>cm</td></tr><tr><td>m</td><td></td></tr></table>	268 cm	cm	m	
268 cm	cm				
m					
c)	<table><tr><td></td><td>cm</td></tr><tr><td>4 m</td><td>10 cm</td></tr></table>		cm	4 m	10 cm
	cm				
4 m	10 cm				
d)	<table><tr><td></td><td>cm</td></tr><tr><td>2 m</td><td>5 cm</td></tr></table>		cm	2 m	5 cm
	cm				
2 m	5 cm				

6 Complete the sentences.

- a) 240 cm = m and cm
- b) 319 cm = m and cm

- c) 508 cm = m and cm
- d) 2 m and 15 cm = cm
- e) 8 m and 3 cm = cm

7 Here is Huan's sunflower.



Dani's sunflower is 2 m and 30 cm.
 Tom's sunflower is exactly halfway between Huan's and Dani's.
 How tall is Tom's sunflower?
 Write your answer in metres and centimetres.

m and cm