

22.2.21

LO. To convert between metres and centimetres

Level 1

- 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	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.

- d) Convert the lengths of these animals from metres (m) and centimetres (cm)



tiger

2m = cm



python

6m = cm

- e) Convert the lengths of these animals from centimetres (cm) and metres (m)



leopard

m = 100 cm



caiman

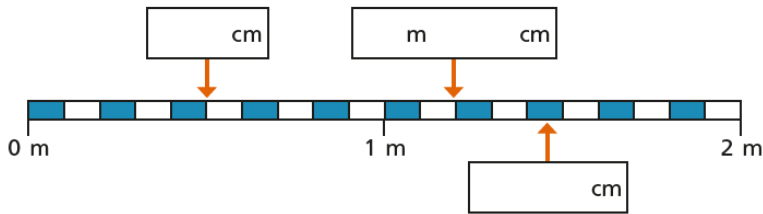
m = 300 cm

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

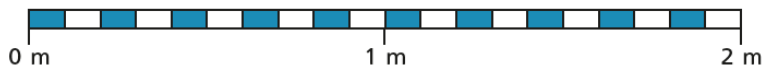
cm	m and cm
310 cm	3 m and 10 cm
320 cm	m and cm
330 cm	m and cm
cm	3 m and 40 cm
cm	3 m and 50 cm
cm	m and cm
cm	m and cm

Level 2

3 Write the missing measurements.

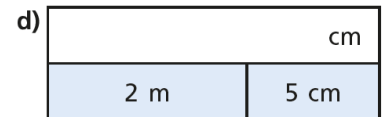
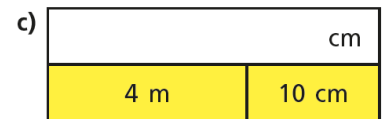
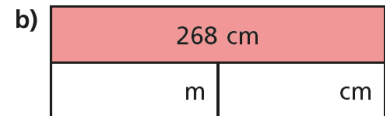
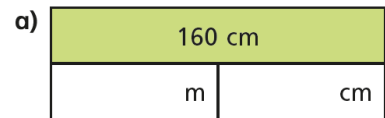


4 Draw an arrow to show the position of each measurement.



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

5 Complete the bar models.



6 Complete the sentences.

a) 240 cm = m and cm

b) 319 cm = m and cm

7. Convert the lengths of these animals from metres (m) to centimetres (cm).



tiger

2m 20cm
_____ cm



python

6m 5cm
_____ cm



anteater

2m 10cm
_____ cm



butterfly

0 m 60 cm
_____ cm

8. Convert the lengths of these animals from centimetres (cm) to metres (m).



lemur

46 cm
___ m ___ cm



caiman

250 cm
___ m ___ cm



gorilla

160 cm
___ m ___ cm



leopard

140 cm
___ m ___ cm

Level 3

9.

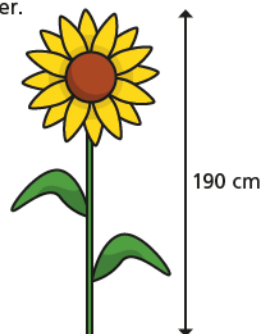


macaw

This macaw is **91 cm** from its head to the tip of its tail.
Miss Morecroft says that 91 cm in metres is **9m 10cm**.
Do you agree? Explain your answer.

10.

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

11. Mo and Alex each have a skipping rope.

Alex says,



I have the longest skipping rope. My skipping rope is $2\frac{1}{2}$ metres long.

Mo says,



My skipping rope is the longest because it is 220 cm and 220 is greater than $2\frac{1}{2}$

Who is correct?

Explain your answer.

12. Three children are partitioning 754 cm

Teddy says,



75 m and 4 cm

Whitney says,



7 m and 54 cm

Jack says,



54 cm and 7 m

Who is correct?

Explain why.