

Varied Fluency

Step 2: Measure Length (m)

National Curriculum Objectives:

Mathematics Year 2: (2M2) Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}$ C); capacity (litres/ml) to the nearest appropriate unit using rulers, scales, thermometers and measuring vessels

Differentiation:

Developing Questions to support measuring objects in m and cm, using cm in multiples of 10 only. (6m and 10 cm)

Expected Questions to support measuring objects in m and cm (6m and 14cm)

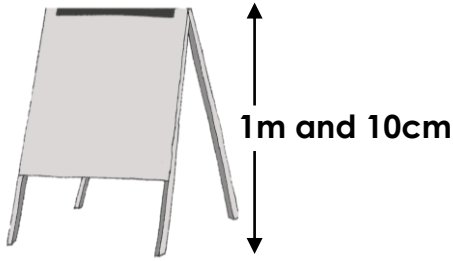
Greater Depth Questions to support measuring objects in m and cm and measures $>$ 100cm (614cm; 5m and 114cm)

More [Year 2 and Year 3 Length, Height and Perimeter](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Measure Length (m)

1a. True or false? This board is less than 1m tall.

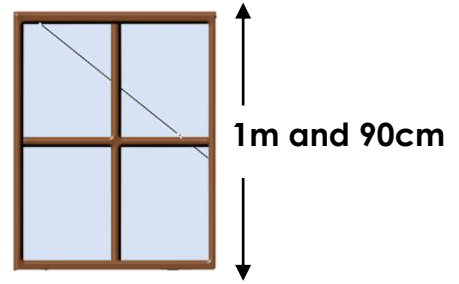


not to scale

2 VF

Measure Length (m)

1b. True or false? This window is more than 1m high.



not to scale

2 VF

2a. Choose the correct word to complete the statement.

The school window is than 1 metre and 20 centimetres.

longer

shorter



2 VF

2b. Choose the correct word to complete the statement.

The whiteboard is than 3 metres and 70 centimetres.

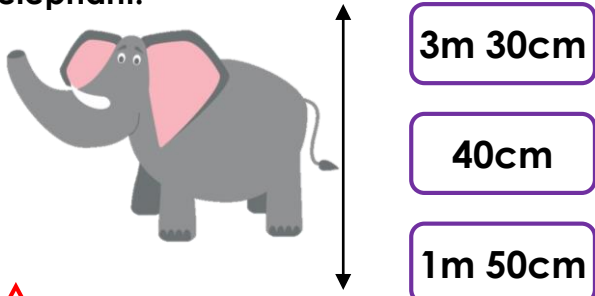
longer

shorter



2 VF

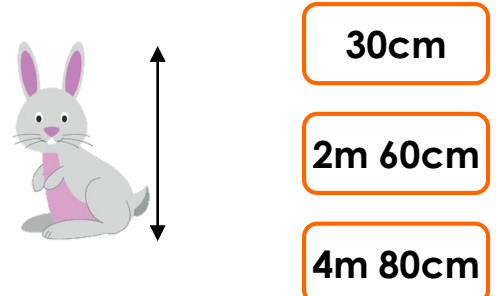
3a. Circle the measurement that is the best estimate for the height of an elephant.



not to scale

2 VF

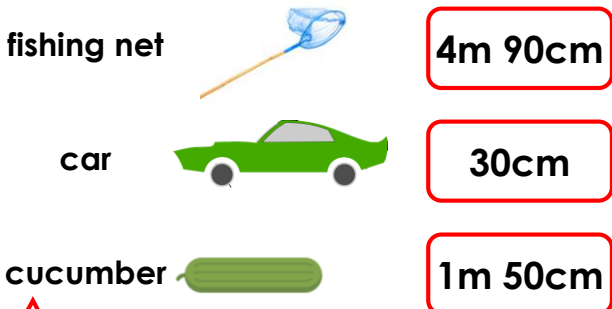
3b. Circle the measurement that is the best estimate for the height of a rabbit.



not to scale

2 VF

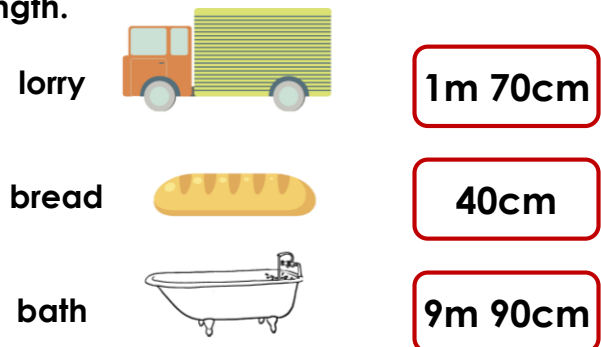
4a. Match the object to the estimated length.



not to scale

2 VF

4b. Match the object to the estimated length.

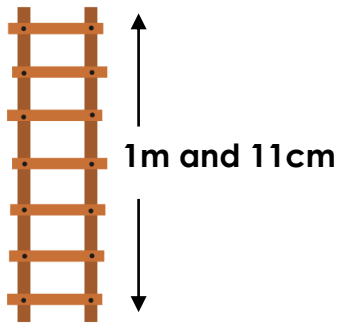


not to scale

2 VF

Measure Length (m)

5a. True or false? This ladder is less than 1m long.



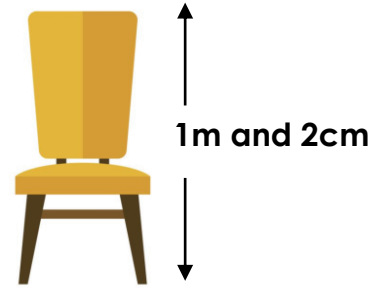
not to scale

2 VF



Measure Length (m)

5b. True or false? This chair is more than 1m high.



not to scale

2 VF



6a. Choose the correct word to complete the statement.

The classroom door is than 3 metres and 55 centimetres.

longer

shorter

2 VF



6b. Choose the correct word to complete the statement.

The school corridor is than 2 metres and 61 centimetres.

longer

shorter

2 VF



7a. Circle the measurement that is the best estimate for the height of a giraffe.



2m 75cm

4m 65cm

99cm

not to scale

2 VF



7b. Circle the measurement that is the best estimate for the height of a penguin.



29cm

1m 26cm

5m 82cm

not to scale

2 VF



8a. Match the object to the estimated length.

paddling pool



17cm

carrot



8m

bus



1m 45cm

not to scale

2 VF



8b. Match the object to the estimated length.

train



2m 34cm

tent



11cm

banana



9m

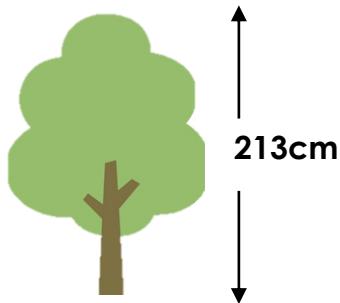
not to scale

2 VF



Measure Length (m)

9a. True or false? This tree is less than 1m tall.

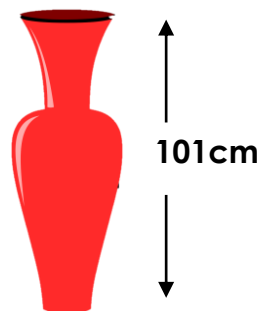


not to scale

2 VF

Measure Length (m)

9b. True or false? This vase is more than 1m tall.



not to scale

2 VF

10a. Choose the correct word to complete the statement.

The school tables are than 104 centimetres.

longer

shorter



2 VF

10b. Choose the correct word to complete the statement.

The pupils' chairs are than 1 metre and 73 centimetres.

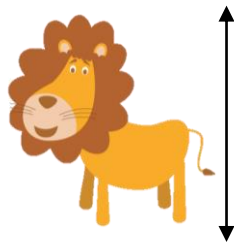
longer

shorter



2 VF

11a. Circle the measurement that is the best estimate for the height of a lion.



51cm

1m 24cm

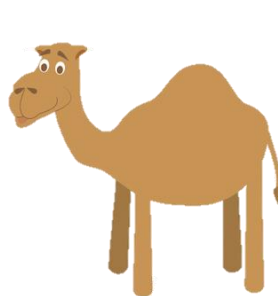
197cm



not to scale

2 VF

11b. Circle the measurement that is the best estimate for the height of a camel.



1m 14cm

205cm

99cm



not to scale

2 VF

12a. Match the object to the estimated length.

racket



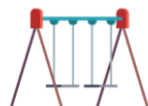
172cm

bike



2m 96cm

swings



73cm

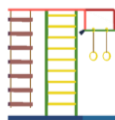


not to scale

2 VF

12b. Match the object to the estimated length.

climbing frame



1m 89cm

golf club



91cm

motorbike



313cm



not to scale

2 VF

Varied Fluency
Measure Length (m)

Developing

- 1a. False, the board is 10cm taller than 1m.
- 2a. Probably longer
- 3a. 3m 30cm
- 4a. fishing net – 1m 50cm, car – 4m 90cm, cucumber – 30cm

Expected

- 5a. False, the ladder is 11cm longer than 1m.
- 6a. Shorter
- 7a. 4m 65cm
- 8a. paddling pool – 1m 45cm, carrot – 17cm, bus – 8m

Greater Depth

- 9a. False, it is 113cm taller than 1m.
- 10a. Probably longer
- 11a. 1m 24cm
- 12a. Racket – 73cm, bike 172cm, swings – 2m 96cm

Varied Fluency
Measure Length (m)

Developing

- 1b. True
- 2b. Probably shorter
- 3b. 30cm
- 4b. lorry – 9m 90cm, bread- 40cm, bath – 1m 70cm

Expected

- 5b. True
- 6b. Longer
- 7b. 1m 26cm
- 8b. Train – 9m, tent – 2m 34cm, banana – 11cm

Greater Depth

- 9b. True
- 10b. Shorter
- 11b. 205cm
- 12b. Climbing frame – 313cm, golf club – 91cm, motorbike – 1m 89cm