

# 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)

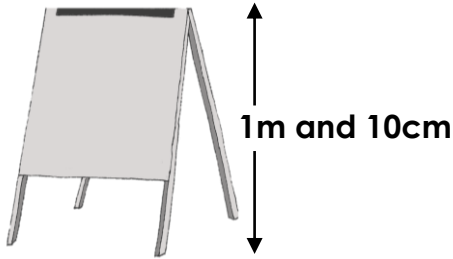
**Greater Depth** Questions to support measuring objects in m and cm and measures  $>$  100cm (614cm; 5m and 114cm)

More [Year 2 Length and Height](#) 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.

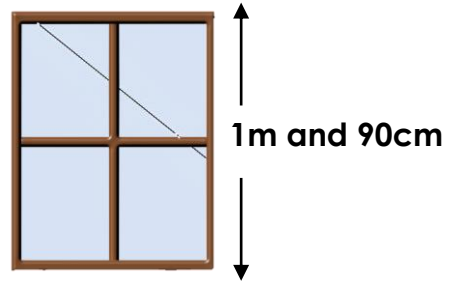


not to scale

VF

## Measure Length (m)

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



not to scale

VF

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

The school window is  than 1 metre and 20 centimetres.

longer

shorter



VF

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

The whiteboard is  than 3 metres and 70 centimetres.

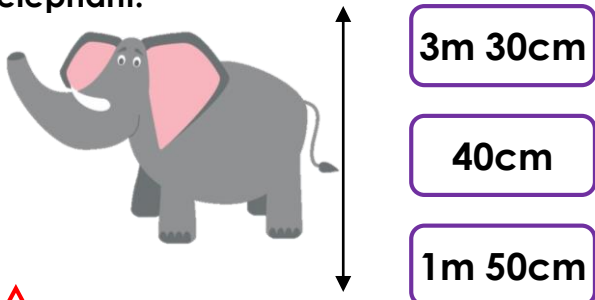
longer

shorter



VF

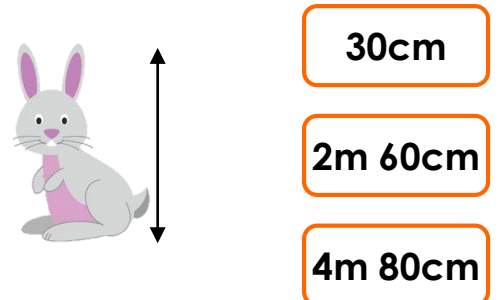
3a. Circle the measurement that is the best estimate for the height of an elephant.



not to scale

VF

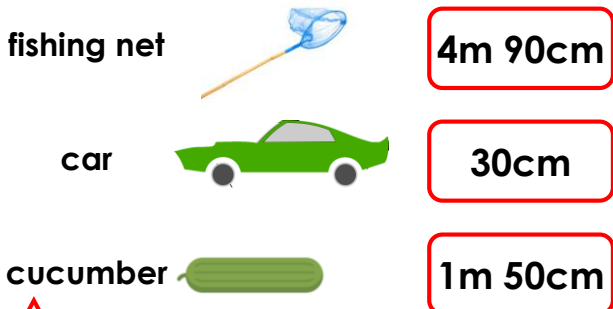
3b. Circle the measurement that is the best estimate for the height of a rabbit.



not to scale

VF

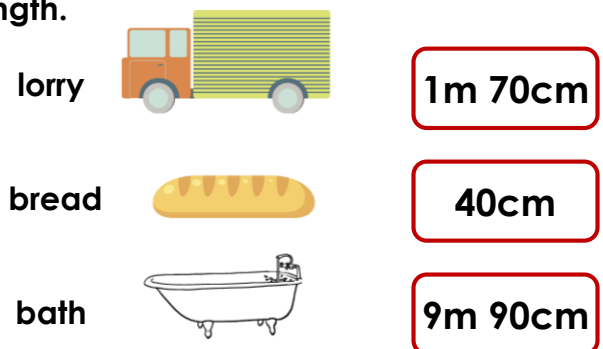
4a. Match the object to the estimated length.



not to scale

VF

4b. Match the object to the estimated length.

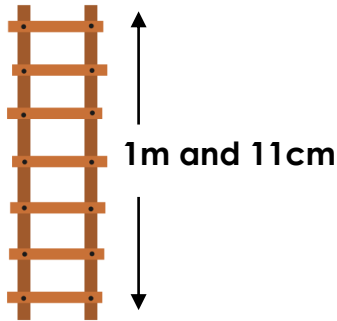


not to scale

VF

## Measure Length (m)

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

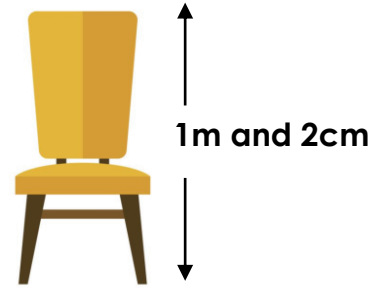


not to scale

VF

## Measure Length (m)

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



not to scale

VF

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

The classroom door is  than 3 metres and 55 centimetres.

longer

shorter



VF

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

The school corridor is  than 2 metres and 61 centimetres.

longer

shorter



VF

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



2m 75cm

4m 65cm

99cm



not to scale

VF

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



29cm

1m 26cm

5m 82cm



not to scale

VF

8a. Match the object to the estimated length.

paddling pool



17cm

carrot



8m

bus



1m 45cm



not to scale

VF

8b. Match the object to the estimated length.

train



2m 34cm

tent



11cm

banana



9m

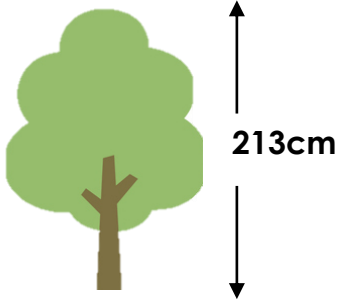


not to scale

VF

## Measure Length (m)

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

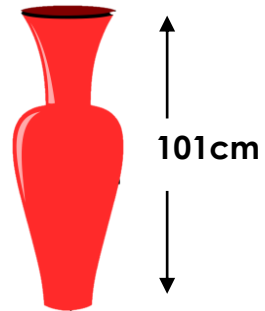


not to scale

VF

## Measure Length (m)

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



not to scale

VF

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

The school tables are  than 104 centimetres.

longer

shorter



VF

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

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

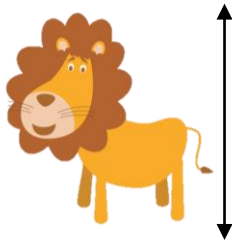
longer

shorter



VF

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



51cm

1m 24cm

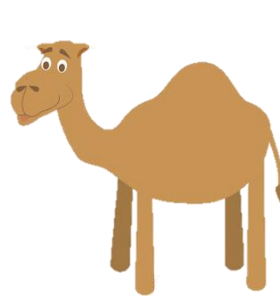
197cm



not to scale

VF

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



1m 14cm

205cm

99cm



not to scale

VF

12a. Match the object to the estimated length.

racket



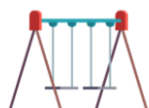
172cm

bike



2m 96cm

swings



73cm

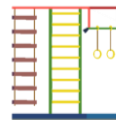


not to scale

VF

12b. Match the object to the estimated length.

climbing frame



1m 89cm

golf club



91cm

motorbike



313cm



not to scale

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