

Homework/Extension

Step 1: Measure Length

Teaching note: Please note that precise measurements are dependant upon printer settings. Two of the questions require children to measure, therefore children must be provided with a ruler.

National Curriculum Objectives:

Mathematics Year 3: (3M2a) [Measure lengths \(m/cm/mm\)](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Draw lines to match the specified measurement. Measurements given in centimetres (cm) only.

Expected Draw lines to match the specified measurement. Measurements given in mixed units of centimetres (cm) or millimetres (mm).

Greater Depth Continue the lines to match the specified measurement. Measurements given in mixed units of centimetres (mm) and millimetres (mm).

Questions 2, 5 and 8 (Varied Fluency)

Developing Measure 4 objects and find the statements that describe the images correctly. Statements provide measurements in millimetres (mm) only. Objects to be measured horizontally.

Expected Measure 4 objects and find the statements that describe the images correctly. Measuring in some mixed units of centimetres (cm) and millimetres (mm). Objects to be measured horizontally.

Greater Depth Measure 5 objects and find the statements that describe the images correctly. Measuring in mixed units of centimetres (cm) and millimetres (mm). Objects to be measured horizontally and vertically.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Decide and explain if an object has been measured correctly. Object measured from zero on a ruler with all increments marked.

Expected Decide and explain if an object has been measured correctly. Object measured from a selected segment on a ruler with all increments marked.

Greater Depth Decide and explain if an object has been measured correctly. Object measured from a selected segment of a ruler with some increments not shown.

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

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

Measure Length

1. Draw a straight line from each of the dots below, using a ruler to match the measurements on the right.

Start your line here

5cm

Start your line here

6cm

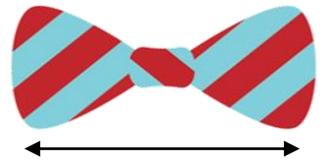
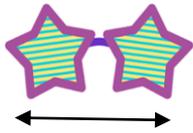
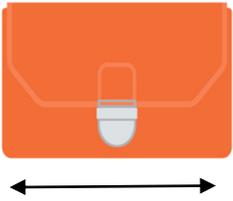
Start your line here

9cm



VF
HW/Ext

2. Circle the statements that are true.



A. The purse and glasses are 20mm long.

B. The crisp packet is 15mm long.

C. The glasses have the shortest length.

D. The bowtie is 40mm long.

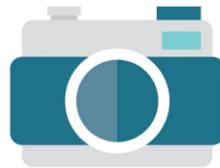


VF
HW/Ext

3. Jamal is using a ruler to measure a camera.



I think the camera measures 3cm.



Not drawn to scale

Has he measured the camera correctly?
Convince me.



RPS
HW/Ext

Measure Length

4. Draw a straight line from each of the dots below, using a ruler to match the measurements on the right.

Start your line here

8cm

Start your line here

34mm

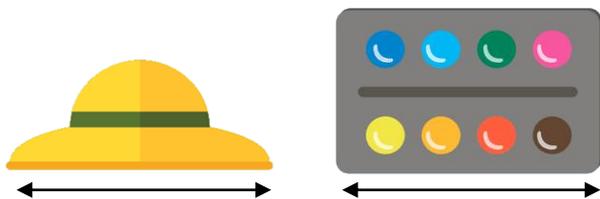
Start your line here

10cm



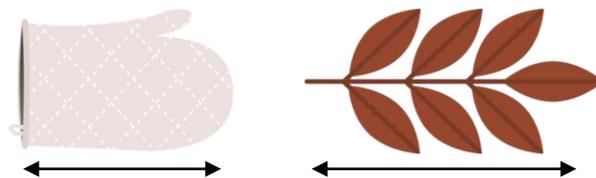
VF
HW/Ext

5. Circle the statements that are true.



A. The hat and paint pot are the same length.

C. The hat is 2cm and 8mm long.



B. The glove is 2cm and 5mm long.

D. The leaf is 4cm long.



VF
HW/Ext

6. Kayla is using a ruler to measure a stick.



I think the stick measures 4cm and 5mm.



Not drawn to scale

Has she measured the stick correctly?
Convince me.



RPS
HW/Ext

Measure Length

7. Continue the straight line from each point below, using a ruler to match the measurements on the right.


Start your line here

6cm and 4mm


Start your line here

51mm


Start your line here

8cm and 7mm



VF
HW/Ext

8. Circle the statements that are true.



A. The pencil is 3cm and 7mm long.

B. The lamp has a greater measurement than the sand timer.

C. The bee is less than 1cm long.

D. The doughnut is 3cm and 8mm long.



VF
HW/Ext

9. Damon is using a ruler to measure a plant pot.



I think the plant pot measures 3cm and 4mm.



Not drawn to scale

Has he measured the plant pot correctly?
Convince me.



RPS
HW/Ext

Homework/Extension

Measure Length

Developing

1. Accept accurate measurements of the following: 5cm; 6cm and 9cm.
2. B and D
3. No, Jamal has not measured the camera correctly because he has not placed the object at the start of the markings on the ruler. The edge of the camera should be placed on 0cm and then measured.

Expected

4. Accept accurate measurements of the following: 8cm; 34mm and 10cm.
5. A and D
6. No, Kayla has not measured the stick correctly because she has not placed the object at the start of the markings on the ruler. The edge of the stick should be placed on 10cm or any other marking of the ruler, then measured.

Greater Depth

7. Accept accurate measurements of the following: 6cm and 4mm; 51mm and 8cm and 7mm
8. B and C
9. No, Damon has not measured the plant pot correctly because he has not placed the object at the start of the markings on the ruler. The edge of the plant pot should be placed on 19cm or any other marking of the ruler, then measured.