

Year 1 and 2

Wednesday 24th February 2021

LO: I am getting better at measuring in cm.

Start by watching the video linked to maths on Wednesday. This will give an explanation about using a ruler and where we start from. It is VERY important that you start at 0. Can you think of other things we have used in maths that are similar to a ruler? What about a number line?

The intervals are in centimetres and we write this as cm. It is important to be able to measure accurately and draw accurately using a ruler. We would use the measurement cm; for measuring small items.

Using a ruler can you measure these items that I think you will have around the home and choose three more to complete the table.

Item	cm = centimetre
Pencil	
Book	
Felt tip pen	

1. Can you order your items from shortest to longest?

2. Have a look around the room that you are in, can you estimate (best guess) something that is longer than 30cm

3. Have a look around the room you are in, can you estimate something that is shorter than 10cm

4. Below can you use a ruler and accurately draw a line that measures 8cm

5. Can you draw a line that is longer than 4cm and shorter than 7cm?

Mo has used the ruler to measure the length of the car.



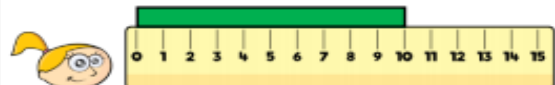
Mo says the car is 8 centimetres long.
Do you agree?
Explain your answer.

Eva, Dexter and Rosie are comparing ribbons that they have.
Unfortunately, Dexter has lost his ribbon.

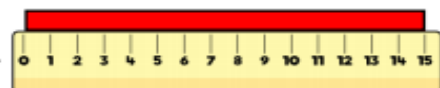
He says,



My ribbon is shorter than Rosie's, but longer than Eva's.



Eva



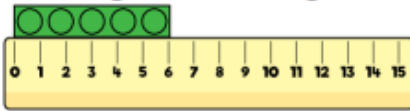
Rosie



Dexter

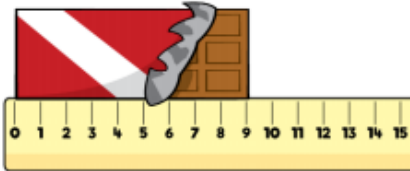
How long could Dexter's ribbon be?

How long is the building block?



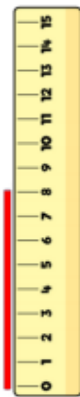
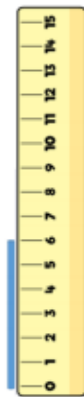
The building block is cm.

What is the length of the chocolate bar?



The chocolate bar is cm.

Which straw is the tallest?



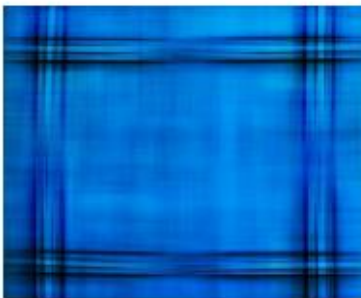
The blue straw is cm tall.

The red straw is cm tall.

The straw is the tallest.

The straw is the shortest.

How long and how tall are these objects to the nearest centimetre?



Length: _____

Height: _____



Length: _____

Height: _____



Length: _____

Height: _____



Length: _____

Height: _____

Extension

Draw some lines using your ruler.

Longer than half of 10 cm but shorter than half of 16 cm.

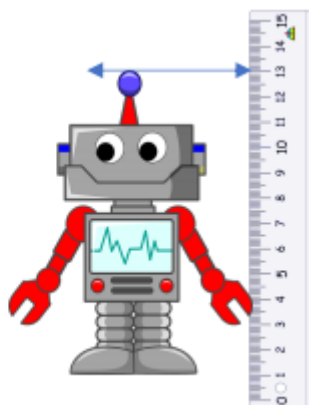
Shorter than half of 10 cm but longer than half of 6 cm.

Longer than one quarter of 12 cm but shorter than double 7 cm.

Rosie has used the ruler to measure the height of the robot.

Rosie says

The robot is one centimetre taller than 12 cm.



Do you agree?
Explain your answer.

How long is this piece of ribbon?
How could you find out?



Does the length change if you change the orientation? Explain.