# Measurement: Using a Ruler 

## Aim:

Measure and begin to record lengths and heights.

DfE Ready-to-Progress Criteria: Reason about the location of numbers to 20 within the linear number system, including comparing using < > and =. (1NPV-2)
To measure length and height in centimetres.

## Success Criteria:

I can name some tools used for measuring in centimetres.
I can understand how to use different rulers
to measure in centimetres.
I can measure how long or tall an object is in centimetres.
I can measure how long or tall a line is in centimetres.

## Key/New Words:

Measure, length, height, long, tall, short, ruler, centimetre, cm, compare.

## Resources: <br> 15 cm or 30 cm rulers

Examples of measuring tools to show children, such as a metre stick and measuring tape

## Preparation:

Measuring Length and Height Activity Sheets - 1 per child

Diving into Mastery Activity Cards - as required

Prior Learning: Children should be able to measure height and length using non-standard units first. To practise this, use the lessons: Measure Length with Non-Standard Units and Measure Height with Non-Standard Units.

## Learning Sequence

Remember It: Children compare the lengths and heights of pairs of common classroom items. They read
statements comparing the lengths and heights and say if they are true or false. This activity will reinforce the
prior knowledge needed for this lesson.
Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity.
These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section
and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are
applying this to show their depth of understanding.
Children measure the length and height of everyday objects and then compare them.
Children measure real objects in their environment using their ruler and group them by their
length. They compare the height of two towers and investigate what towers could be built that are
between their heights.

## Exploreit

Findit: Challenge children to use a ruler to hunt out items of a given length.
Planit: Plant beans or sunflowers and chart their growth in centimetres.
Recordit: Leave sticky notes or tags attached to different items in the classroom with the ' cm ' unit already on it. The children measure the items and record the lengths.

