**Task 4: Using a ruler**

Today we will practise using a ruler to measure in centimetres. If you don’t have a ruler at home, print out the ruler on the last page or you could use a tape measure.

A centimetre is a **standard** unit of measurement. It will always be the same size, all around the world.

*Why might it be useful to have a unit of measurement that cannot change?*

*What do you notice about a ruler? Does it look similar to anything we use in class for maths?*

Discuss these questions with your helper.

A close up of a person

Description automatically generated

**Top tips for using a ruler**

Always start from the 0 line:

Place your ruler flat alongside the object you are measuring.

Look carefully at where the object ends.

Choose the number that is nearest to the end of the object.

We often shorten the word ‘centimetres’ to ‘cm’.

Example:

A picture containing object, clock

Description automatically generated

The pencil is 10cm long.

This game is really useful for practising this! (Level 1) <https://www.topmarks.co.uk/maths-games/measuring-in-cm>

**Activity 1: Measuring pictures**

Measure the length of each animal. Fill in the sentences underneath (round to the nearest cm if not exact).

A picture containing drawing

Description automatically generated

A picture containing animal, shellfish, snail, laying

Description automatically generated A insect on the ground

Description automatically generated

![A picture containing weapon

Description automatically generated]()

The snail is \_\_\_cm long.

The fly is \_\_\_\_cm long.

The caterpillar is \_\_\_\_\_cm long.

Bruni is \_\_\_\_cm long.

Which animal is the longest?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Activity 2: measuring objects**

Measure the height of each pair of objects (round to the nearest cm if not exact). Write sentences using the words **taller**, **shorter** or **longer** to compare them.

Example:

A picture containing object, white

Description automatically generated

The leaf is 7cm tall. The daisy is 5cm tall.

The leaf is 2cm taller than the daisy.

A close up of a flower

Description automatically generated

Your turn:

Toy car and toy train (length)

A small blue car

Description automatically generated A picture containing toy, small, blue, truck

Description automatically generated

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Toy car and toy train (height)

A small blue car

Description automatically generated A picture containing toy, small, blue, truck

Description automatically generated

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pencil and paperclip

A close up of a device

Description automatically generated 

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pick two objects of your own from your house!

I chose \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ was \_\_\_\_cm \_\_\_\_\_\_\_\_\_\_ than .the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Challenge**

Choose as many different objects from your house as you’d like. Record how long they are in cm.

|  |  |
| --- | --- |
| Object | Length to the nearest cm |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

A screenshot of a cell phone

Description automatically generatedA screenshot of a cell phone

Description automatically generated