**Home Learning**

**Maths**

Year 1

Today we are going to be learning about how to use a ‘ruler.’

Please watch this video to get started: <https://vimeo.com/510394004>

**Activity:**

1. How long is each object?

a)

The pencil is \_\_\_\_\_\_\_\_\_ cm long.

b)

The crayon is \_\_\_\_\_\_\_\_\_\_\_\_ cm long.

c)

The brick is \_\_\_\_\_\_\_\_\_\_\_\_ cm long.

**Challenge:**

Have a go at measuring 2 other objects, either in your house or at home.

2.

a) How long is the blue ribbon?



The blue ribbon is \_\_\_\_\_\_\_\_\_\_\_ cm.

b) How long is the red ribbon?



The red ribbon is \_\_\_\_\_\_\_\_\_\_\_\_ cm.

c) Which ribbon is longer?

The \_\_\_\_\_\_\_\_\_\_\_\_ ribbon is longer.

**Challenge:**

How much longer is the ribbon?

3. Mo, Whitney and Eva are building towers.

1. How tall is Mo’s tower?

Mo’s tower is \_\_\_\_\_\_\_\_\_\_ cm tall.

1. How tall is Whitney’s tower?

Whitney’s tower is \_\_\_\_\_\_\_\_\_ cm tall.

1. How long could Eva’s tower be?



Eva’s tower is \_\_\_\_\_\_\_\_\_\_\_\_\_ cm.

**Challenge:**

Is there more than one answer?

Year 2:

Today we are going to be learning about ‘Ordering lengths.’

There is no video for this lesson. Please have a go at the activities below.

**Activity:**

1. Roy, Annie and Mo each have a crayon. They are measuring the length of their crayons.

1. Who has the shortest crayon? \_\_\_\_\_\_\_\_\_\_\_\_\_
2. Who has the longest crayon? \_\_\_\_\_\_\_\_\_\_\_\_

**Challenge:**

How much longer is the longest crayon compared to the shortest crayon?

2. Ron compares the length of his crayon with Dora and Whitney’s crayons.



1. How long is Dora’s crayon? \_\_\_\_\_\_ cm
2. 

 Why is Whitney wrong? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

3. Choose 5 objects from home or in the classroom.

a) How could you estimate which will be the longest? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Use a ruler to measure the length of the objects to the nearest centimetre and complete the table below.

|  |  |
| --- | --- |
| **Object:** | **Length:** |
|  |   cm |
|  |  cm |
|  |  cm |
|  |  cm |
|  |  cm |

1. Write your objects in order of length. Start with the shortest object.

Shortest

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

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

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

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

Longest

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

**Challenges:**

1. There are 4 buildings.

* Building A is 22 m tall.
* Building B is half the height of building A.
* Building C is 14 m tall.
* Building D is double the height of building C.

Put the buildings in order from the tallest to the shortest.

Draw a picture to help:

Can you put them in order?

Longest

Building \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Building \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Building \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Building \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Shortest

2. Three children measure the same toy car.

Eva says that the car is 6 cm and 5 mm.



Dexter says that the car is 5 cm.

Annie says that the car is 4 cm and 5 mm.

1. Who is correct? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Who is incorrect? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Explain your answers: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| Longer than a metre: | Shorter than a metre: |
|  |  |

3. Sort the lengths into a table.

54 cm

98 cm

140 m

16 cm

1m 20 cm

110 cm