**Home Learning**

**Maths**

Year 1:

Today we are going to be ‘Adding lengths.’

Please watch this video: <https://vimeo.com/511039862>

**Activity:**

1. A short piece of train track is 5 cubes long.

A long piece of train track is 9 cubes long.



1. What is the total length of a short and a long piece together? \_\_\_\_\_\_\_\_ cm



1. What is the total length of two short pieces? \_\_\_\_\_\_\_\_\_\_ cm



2. Mo uses paper clips to measure the length of some objects.



1. What is the total length of the scissors and the book?

\_\_\_\_\_\_\_\_\_\_\_\_ paperclips

1. What is the total length of the pencil and the rubber?

\_\_\_\_\_\_\_\_\_\_\_\_ paperclips

1. Which two objects measure 10 paperclips in total?

\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_

1. Which two objects measure 15 paperclips in total?

\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_

1. Is there more than one answer?

3. **Practical**

Please go and find yourself 5 objects. Please choose a non-standard unit to work out how long each one is. Some options are:

* Cubes
* Paperclips
* Hands
* Pens
* Sweets
* Shoes
* Lollipop Sticks

Fill in the table below and have a go at answering the questions below:

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

1. Which two objects added together make the biggest length?

\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_

1. Which two objects added together make the smallest length?

\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_

**Challenge:**

Eva, Dexter and Rosie are comparing the ribbons they have.

Unfortunately, Dexter has lost his ribbon.

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

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He says,

****

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Dexter

Rosie

Eva



How long could Dexter’s ribbon be?

Year 2:

Today we are going to be learning how to ‘Problem solve using length.’

There are some hint boxes on each question to help you answer them.

**Activity:**

1. Annie has a piece of ribbon 80 cm long.

**Hint:** Think about how many tens you need to get from 50 to 80.

She cuts the ribbon into 2 pieces.

The longer piece is 50cm long.

How long is the shorter piece? \_\_\_\_\_\_\_\_\_\_\_\_ cm

2. Kim measures the length of 2 blocks.

How much longer is brick A than brick B? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm

3. Here are four shaded bars:



Put the bars in order of length from shortest to longest.

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

4. The tree is 18 m shorter than the building.



**Hint:** Work out how tall the building is by adding 24 and 18 together.

What is the total height of the tree and the building?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m

5. Ron has 20 cubes.

**Hint:** Share the cubes into 5 groups and work out how many is in each tower and then find out the height.

He uses all the cubes to make 5 equal towers.

Each cube is 3 cm tall. How tall is each tower? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm

**Challenges:**

1. A teddy sits on top of two cubes.

Each cube is the same height.

The teddy is 12 cm tall.

How tall is each cube? \_\_\_\_\_\_\_\_\_ cm

2. Two strips of paper are put side by side.

Do you agree with Rosie? Explain.

3 Here are 2 pieces of ribbon.



The total length is 1 m.

One piece is 38 cm.

How long is the other piece? \_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm