Year 2/3 – Spring Block 4 – Length, Height and Perimeter

About This Resource:

This PowerPoint has been designed to support your teaching of this small step from the Mixed Age planning. It includes a starter activity suitable for each year group and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack (separate for each year group). Each slide has the year group identified in the bottom right-hand corner. We recommend that you look through this PowerPoint in advance and decide whether to work through all examples provided or a selection of them depending on the needs of your class.

National Curriculum Objectives:

Mathematics Year 2: (2M1) Compare and order lengths, mass, volume/capacity and record the results using >, < and =

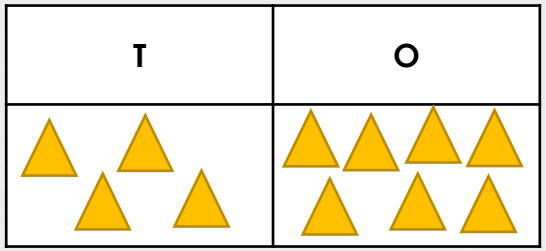
More Year 2 and Year 3 Length Height and Perimeter resources.

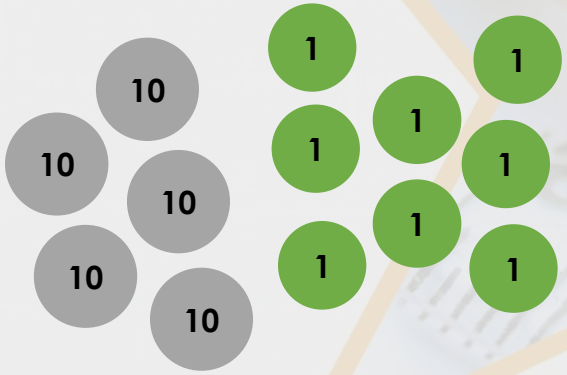
Did you like this resource? Don't forget to review it on our website.

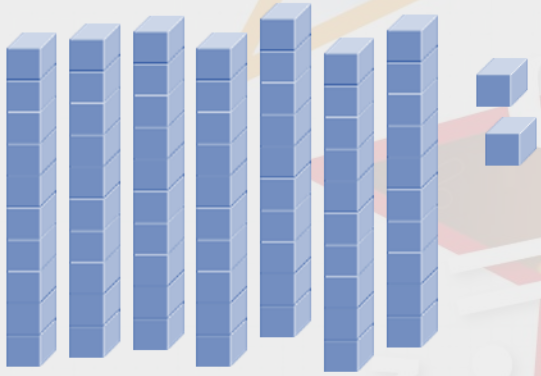
Step 5
Year 2: Order Lengths

Introduction

Put these representations in ascending order.

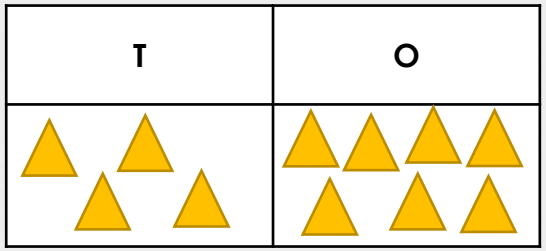


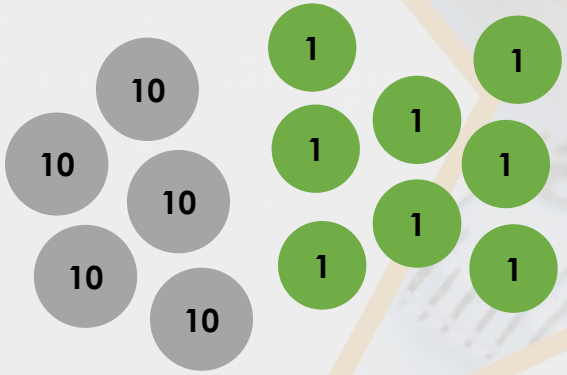


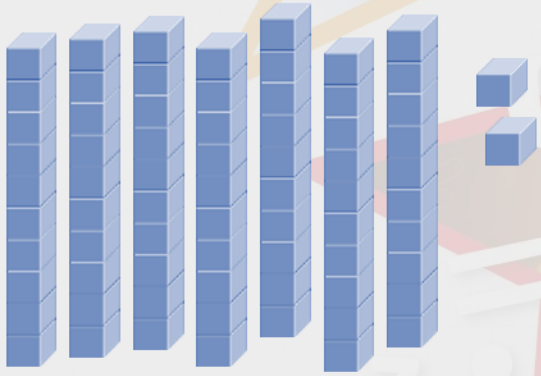


Introduction

Put these representations in ascending order.







33, 47, 58, 72

Varied Fluency 1

Order these lengths from longest to shortest.

46cm	11cm
one metre and five centimetres	64cm

Varied Fluency 1

Order these lengths from longest to shortest.

46cm	11cm
one metre and five centimetres	64cm

one metre and five centimetres, 64cm, 46cm, 11cm

Varied Fluency 2

True or false?

8cm is shorter than 18cm.

Varied Fluency 2

True or false?

8cm is shorter than 18cm.

True

Varied Fluency 3

These toy vehicles have been ordered by their length from shortest to longest.



Using the table, tick where the aeroplane should be.

Vehicle	Length
police car	56cm
aeroplane	1m 15cm
ambulance	65cm
bus	87cm

Varied Fluency 3

These toy vehicles have been ordered by their length from shortest to longest.

Using the table, tick where the aeroplane should be.

Vehicle	Length
police car	56cm
aeroplane	1m 15cm
ambulance	65cm
bus	87cm

To the right of the bus

Varied Fluency 4

Circle the numbers that could be used to complete the following statement.

14cm > ☐ > 56cm

1m 11cm	thirty seven centimetres
89cm	43cm

Varied Fluency 4

Circle the numbers that could be used to complete the following statement.

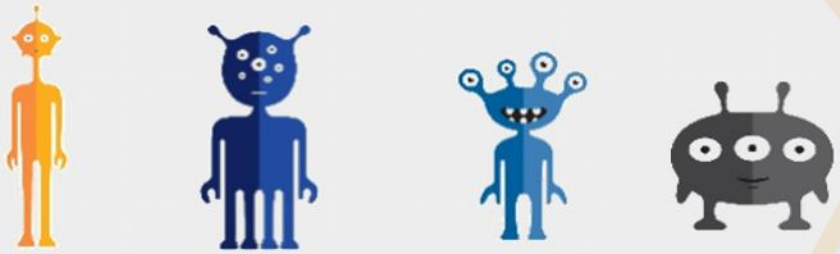
14cm > ☐ > 56cm

1m 11cm	thirty seven centimetres
89cm	43cm

thirty seven centimetres, 43cm

Problem Solving 1

These aliens have been placed in order of height from tallest to shortest.

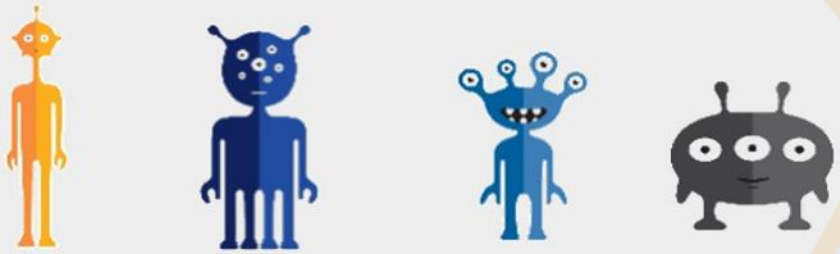


Match the toy to its height.

2 eyes	1m 2cm
3 eyes	1m 35cm
4 eyes	65cm
6 eyes	45cm

Problem Solving 1

These aliens have been placed in order of height from tallest to shortest.



Match the toy to its height.

2 eyes	1m 2cm
3 eyes	1m 35cm
4 eyes	65cm
6 eyes	45cm

2 eyes – 1m 35cm, 3 eyes – 45cm, 4 eyes – 65cm, 6 eyes – 1m 2cm

Problem Solving 2

Here are the lengths of some models.

Model	Lengths
Car	30cm
Plane	1m 20cm
Train	2m 50cm

Use the symbol > to order the statements.

Plane	2 cars
Plane and car	Train

Problem Solving 2

Here are the lengths of some models.

Model	Lengths
Car	30cm
Plane	1m 20cm
Train	2m 50cm

Use the symbol > to order the statements.

Plane	2 cars
Plane and car	Train

Train > Plane and car > Plane > 2 cars

Reasoning 1

Harriet has grown and ordered these prize-winning vegetables.

Jack has grown some corn which is shorter than Harriet's.

Jack says,

Is he correct? Convince me.

Reasoning 1

Harriet has grown and ordered these prize-winning vegetables.

Jack has grown some corn which is shorter than Harriet's.

Jack says,

Is he correct? Convince me.

No he is not correct because…

Reasoning 1

Harriet has grown and ordered these prize-winning vegetables.

Jack has grown some corn which is shorter than Harriet's.

Jack says,

Is he correct? Convince me.

No he is not correct because Harriet's potato is shorter than her corn. We don't know whether Jack's corn is shorter than Harriet's potato.