P5 Maths – Week beginning 4th May 2020

Focus:

Units of measure with a focus on *length*

Key Learning Points:

- Estimate and measure items
- Convert units of measure:
  10 millimetres (mm) = 1 centimetre (cm)
  100 centimetres (cm) = 1 metre (m)
  1,000 metres (m) = 1 kilometre (km)

Introduction:

https://www.youtube.com/watch?v=djTNUp4XIRo

(Just ignore the American spelling of the units!)

Resources

-can be found here: https://www.bbc.co.uk/bitesize/topics/z4nsgk7

This link includes learner guides and short video clips (called class clips)

Online Activity:

https://www.topmarks.co.uk/ordering-and-sequencing/coconut-ordering

Name .....

Units of measure

1. Write the unit you think would be best for each answer.

mm	cm	m	km	g	kg	ml	l

How much does an apple weigh?

g

What is the capacity of a bucket?

How much cola is in a full can?

How far do people run in a marathon?

How heavy is a football?

How wide is a computer monitor?

How far is it from Glasgow to Paris?

How heavy is a fridge?

How long is an ant?

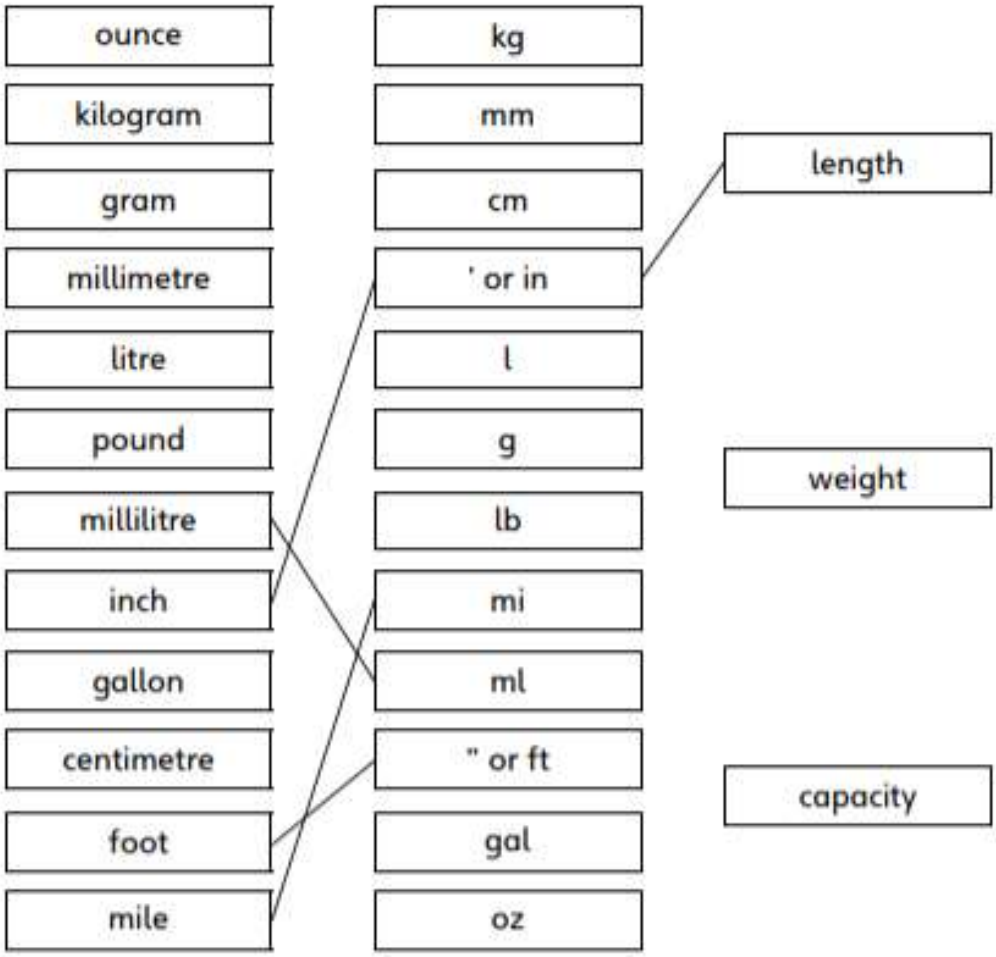
2. Try and find the actual answers to some of these questions.
Write any answers on the back of this sheet.

I can use common metric units of measure and their abbreviations

Name .....

Units of measure

1. Join each unit to its abbreviation. Then join it with the word length, weight or capacity. Some have been done for you.



2. In the first column, colour the metric units in one colour and the imperial units in another.

3. Write 2 other metric units not shown above.

_____

I can recognise units of measure

Name .....

Millimetres, centimetres, metres and kilometres

Write the missing lengths.

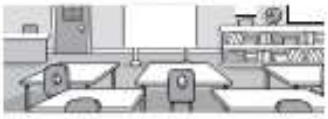
1. 1m = ... cm
2. $\frac{1}{2}$ m = ... cm
3. 1m 35 cm = ... cm
4. 80 mm = ... cm
5. 100 cm = ... m
6. 500 cm = ... m
7. 2000 mm = ... m
8. $1\frac{1}{2}$ km = ... m
9. 2 cm = ... mm
10. $\frac{1}{2}$ cm = ... mm
11. 1m = ... mm
12. 6 cm 7 mm = ... mm
13. $3\frac{1}{2}$ m = ... mm
14. $2\frac{1}{4}$ km = ... m
15. Make up some problems like these on the back of this sheet, for your partner to work out.

I can use equivalent units of length

Measure: Experiencing

Name .....

Estimating length



Estimate each of these and record your estimate.

1. The width of the whiteboard

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2. The height of your classroom ceiling

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3. The length of your teacher's foot

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4. The thickness of the door

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5. The height of your teacher

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6. The depth of a waste bin

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7. The width of your friend's thumb

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8. The height of the tallest child in your class

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9. The width of the light switch

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10. The height of your chair

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11. The thickness of a table top

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12. The width of the door

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13. The distance between the board and the back of the room

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14. The distance from the classroom to the staff room

I can estimate lengths

Measure: Understanding and explaining

 Name .....

Centimetres and inches

You need eight objects that are each less than 1 metre in length. Start by estimating each length both in centimetres and in inches. Write your estimates in the table.

Next, measure each length using a ruler and write the accurate lengths in the table. How close are your estimates?

Object	Length in centimetres		Length in inches	
	estimated	measured	estimated	measured

I can estimate and measure the lengths of objects

Measure: Understanding and explaining

Challenge:

Length in the home *paper* Tell children that the long side of a piece of A4 paper is about 30 cm (in fact, it is exactly 29·7 cm). Ask them to use this to measure or estimate the length of objects around the house. They record their answers in cm and then convert to m and cm or cm and mm.

Millimetres in the kitchen Explain that the building trade use mm as the standard unit. Ask children to look at the cupboards in their kitchen. Using an estimate reference (e.g. visualising a 30 cm ruler or knowing that the longer side of a piece of A4 paper is about 30 cm), ask them to estimate and then measure the size of the kitchen cupboards. They record the different dimensions in cm and then convert to mm. Back in class they compare their results.

And just in case you're looking for more….

You can also complete a page from the P5 Maths booklet which can be also be found in the download section of the website. Just go to:

Downloads →Homelearning Section→P5 Maths

..And don't forget!

You can continue practising your tables on Topmarks. This week you can focus on your **6 times tables.**

https://www.youtube.com/watch?v=m3ZbCR1JmEA