

Year 2 Maths home learning

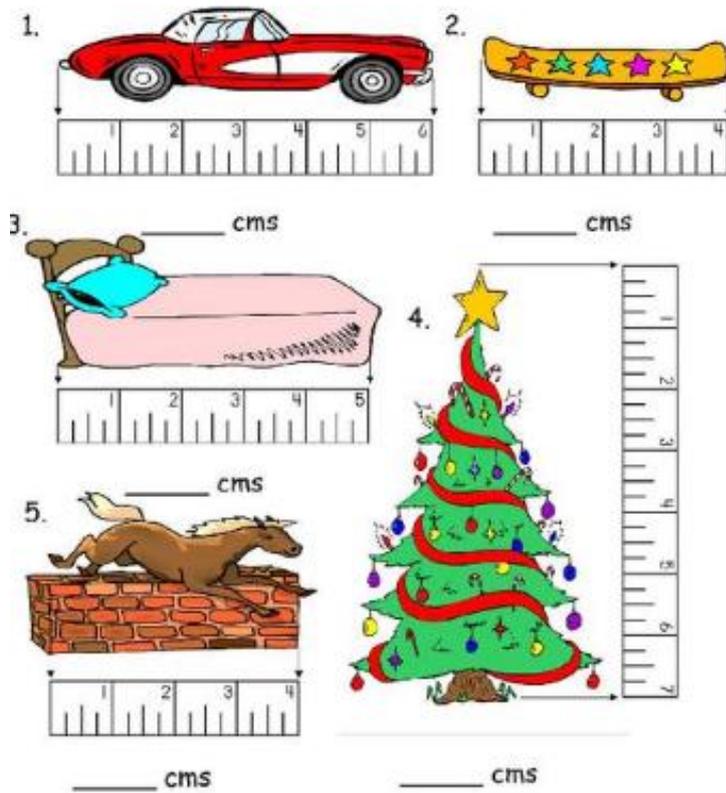
Monday 15th June

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LO: To measure lengths in cm

RED

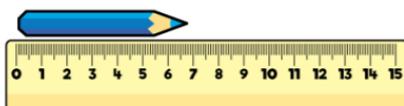
Write how long each item is in centimetres.



ORANGE

Choose a variety of objects at home (5 or 6 objects is enough) and practice measuring them using a centimetre ruler. Remember to line up the object to the mark 0 on the ruler.

How long is the pencil to the nearest cm?

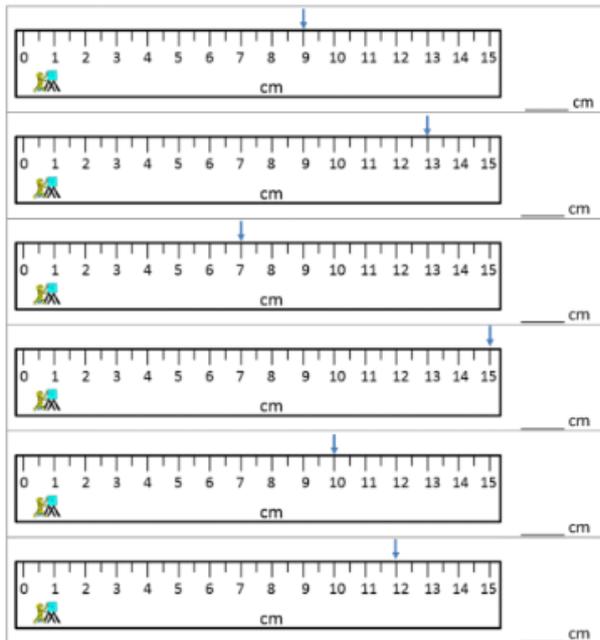


How tall is the glass?

What other objects can you find to measure the height of? Can you use the ruler?

GREEN

How many cm does the arrow show?



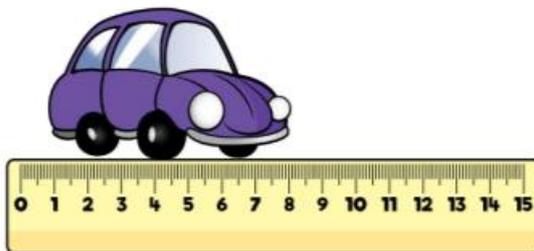
Can you draw a line that shows 4cm long?

Can you draw a line that shows 8 cm long?

Can you draw a line that is longer than 5 cm but shorter than 9cm?

REASONING MONDAY

Mo has used the ruler to measure the length of the car.



Mo says the car is 8 centimetres long.

Do you agree?

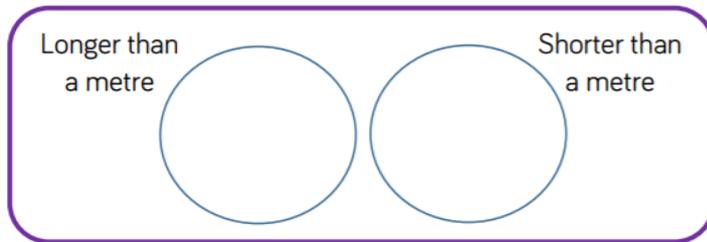
Explain your answer.

Tuesday 16th June

LO: To measure lengths in m

RED

OPTION A -Using a metre stick or a measuring tape measure some objects around your house and sort them out into two groups. Objects that are longer than a metre and objects that are shorter than a metre.



Can you find anything that is exactly one metre?

OPTION B- What would you use? Think of the object and how would you measure it to find out the length, would you use metres or centimetres?

OBJECT	METRES (m)	CENTIMETRES (cm)
Swimming pool		
Pencil		
Teddy bear		
Bed		

ORANGE

OPTION A -Using a metre stick or a measuring tape measure some objects around your house.

Measure your bed, your desk, measure your room, dining table, and measure your kitchen.

Now count in 10 cm blocks. What do you notice about 100cm?

OPTION B- What would you use? Think of the object and how would you measure it to find out the length, would you use metres or centimetres?

OBJECT	METRES (m)	EXACTLY 1 m	CENTIMETRES (cm)
House			
Glue stick			
Metre stick			
Scissors			
Bus			
Table			
Water bottle			
Book			

GREEN

Leo has a metre stick.

He wants to measure the length of his classroom.

“I can’t measure the length of the classroom because my metre stick isn’t long enough.”

Explain to Leo how he could measure the length of his classroom.

REASONING

True or False?

I can only use metres to measure long items. True or false?	100 centimetres is smaller than 1 metre. True or false?
There are 50 cm in 1 metre. True or false?	You measure length using a ruler. Always, sometimes or never true?

Wednesday 17th June

LO: To compare lengths

RED

LONGER AND SHORTER THAN

Find 5 things around you that are longer than 2 envelopes but shorter than 4 envelopes.



Draw your item:	Complete the sentence:
	The _____ was longer than 2 envelopes but shorter than 4 envelopes.
	The _____ was longer than 2 envelopes but shorter than 4 envelopes.
	The _____ was shorter than 4 envelopes but longer than 4 envelopes.

ORANGE

Compare the lengths using **longer than**, **shorter than**, or **the same as**.

15 cm is	<input type="text"/>	60 cm
Sixty metres is	<input type="text"/>	60 m
96 m is	<input type="text"/>	69 m
80 cm is	<input type="text"/>	80 m

GREEN

Use $<$, $>$ or $=$ to complete the statements.

7 metres	<input type="text"/>	17 metres
18 cm	<input type="text"/>	18 m
32 cm	<input type="text"/>	32 centimetres

REASONING

A green pencil is twice as long as a blue pencil.



Using this, complete the statements using **longer than**, **shorter than** or **equal to**.

3 green pencils are _____ 2 blue pencils

2 green pencils are _____ 5 blue pencils

4 green pencils are _____ 8 blue pencils

Thursday 18th June

LO: To order length

RED

Choose five objects from your room and measure them using a ruler.

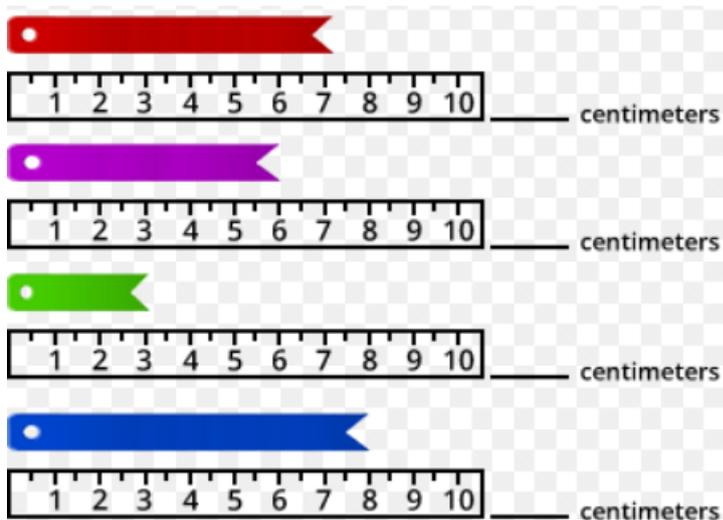
Order the objects from longest to shortest and fill in the gaps using the words longer, longest, shorter and shortest.

Object	Comparison	Object
<i>My maths book</i>	<i>is longer than</i>	<i>My green pencil</i>

Which object is the longest? And the shortest?

ORANGE

First measure the ribbons and then fill in the gaps. Which ribbon is the longest? And the shortest?



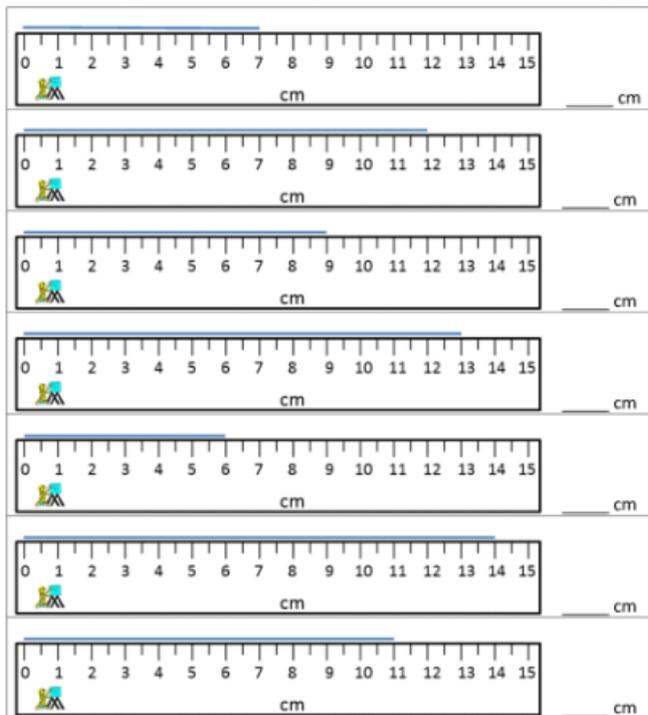
_____ is the longest ribbon.

_____ is the shortest ribbon.

_____ ribbon is longer than the _____ ribbon.

_____ ribbon is shorter than the _____ ribbon.

GREEN



Which ruler shows the longer line? Which one shows the shorter line? Can you find objects that match to those measurements?

REASONING

Four children are measuring their heights.

Eva is taller than Rosie, but not as tall as Mo.

Dexter is taller than Mo.

Write down their names in order of their heights, starting with the shortest.

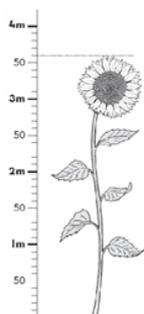
LO: To solve word problems with lengths

RED

Emma has three rulers: a white one that is 15 cm long, a yellow one that is 25 cm long and a brown one that is 10 cm long.

1. Which ruler is the shortest?
2. Compared to the shortest ruler, how much longer is the longest ruler?
3. Emma's pencil case is 20 cm long. Which rulers cannot fit in her pencil case?
4. What is the length of the longest line she can draw when she puts together the white and yellow rulers?
5. The white ruler breaks into two pieces. If one piece is 6 cm long, what is the length of the other piece?
6. Emma buys a blue ruler to replace the broken white one. The new blue ruler is 18 cm long. Compared to the white ruler, how much longer is the new blue ruler?

ORANGE

<p>How many centimetres in a metre? How many centimetres in half a metre? How many centimetres in 2 and a half metres?</p> 	<p>Louis has been growing a sunflower. How tall is it?</p> <p>_____</p> <p>Last week it was only half as tall. How tall was it last week?</p> <p>_____</p> 
<p>Evie is 109cm tall. Georgia is 137cm tall. How much taller is Georgia than Evie?</p> 	<p>Benjamin said 'On my third birthday I was 95cm tall. Now I'm 28cm taller.' How tall is Benjamin now?</p> 



Each spoonful is 5ml. How many spoonfuls can you get out of the bottle?
 SHOW your working out!

GREEN

<p>The length of the pen is 9cm </p> <p>The length of the pencil is 5cm </p> <p>What is the total length of the pen and pencil?</p>	<p>The length of the book is 15cm </p> <p>The length of the toy car is 8cm </p> <p>What is the total length of the book and toy car?</p>
<p>The length of the CD box is 15cm </p> <p>The length of the rubber is 3cm </p> <p>What is the total length of the CD box and rubber?</p>	<p>The length of the DVD box is 12cm </p> <p>The length of the Lego brick is 4cm </p> <p>What is the total length of the DVD box and Lego brick?</p>

Ben measures the length of a table. It measures **10cm** in length. What is the total length of 2 tables?



REASONING

There are 3 teddies in a box.

The brown teddy is 15 cm taller than the yellow teddy.

The yellow teddy is 3 cm shorter than the pink teddy.

The pink teddy is 42 cm tall.

How tall are the brown and yellow teddies?

How much taller is the brown teddy than the pink teddy?