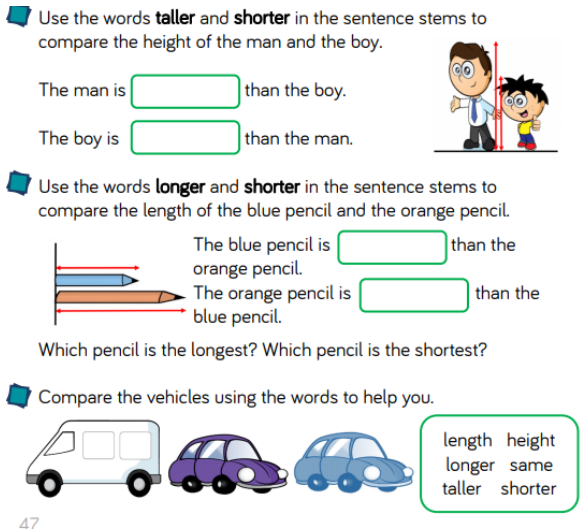
Year 1 Maths: w/c 22nd February 2021

This week we will follow the lessons on Oak National Academy for Year 1 Length and Mass. There are games and worksheets to try if your child finishes quickly, needs greater challenge or something more practical. All worksheets can be found in Home Learning Year 1 Maths.

Lesson	Learning objective	Task	Support activities
1	To compare lengths and heights of objects	1. Watch Lesson 1 on Oak Academy To compare lengths and heights of objects (thenational.academy) In this you will be using measurement vocabulary to compare objects. 2. Complete the independent tasks on the slides and the quiz. In the task you will need to find 6 objects from around your home and put them in height order from shortest to longest or tallest to shortest.	**Challenge/Extension Questions**  Scroll to bottom of page for two more questions.
2	To measure length using non-standard units	1.Watch Lesson 2 and 3 on Oak Academy To measure lengths using non-standard units (Part 1) (thenational.academy) In this lesson you will be measuring a range of objects using a non-standard form of measure such as your hand or cubes. 2. Complete the independent tasks on the slides and quiz. 3. Lesson 3 is very similar so it could be completed today as well. Here is the link:	**Challenge/Extension Questions** What other things could you use to measure how long a pencil is? What could you use to measure how tall you are? Is it easier to measure someone lying down or standing up? What could you use to measure the length of your classroom? Why is it important to measure in a straight line?

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<td>To measure lengths using non-standard units (Part 2) (thenational.academy)
Find some objects around your house and measure their length using non-standard unit such as coins or pencils. Use the table to the right to record your results

E.g. Name of object: Toy car
Measurement: 5 coins long

Then order your objects from shortest to longest.</td>
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<table>
<tr><th>Name of object</th><th>Measurement</th></tr>
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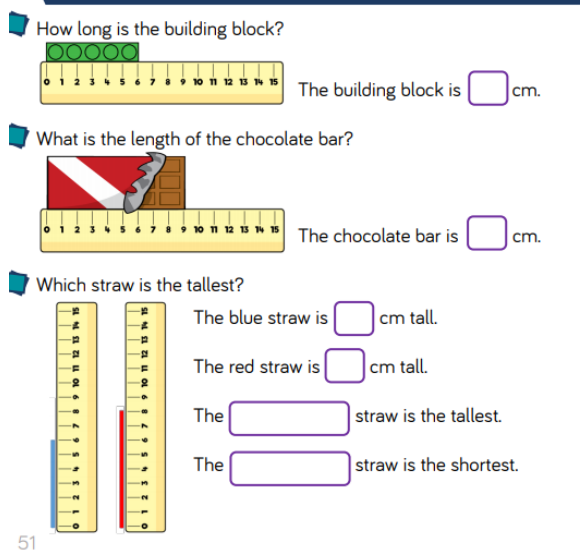
<td>3</td>
<td>To begin to understand standard units of length</td>
<td>1.Watch Lesson 4 on Oak Academy

To begin to understand standard units of length (thenational.academy)

In this lesson, you will begin to use standard units of measure such as metres.

2, Complete the independent tasks – Find something at home that is taller than 1 metre and then something that is shorter than 1 metre.

3. Complete the quiz.

Find items to measure around your house using a ruler and measure in centimetres (cm). Remember to make sure you start on 0 cm at the end of the object. First estimate and then measure.</td>
<td>Challenge/Extension Questions
 
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<td>4</td>
<td>To measure using standard</td>
<td>There isn’t an Oaks lesson video for today. Instead have a look at this BBC Bitesize clip about Measuring.</td>
<td>Extension activity:
Can you think of an idea of how to solve this problem?</td>
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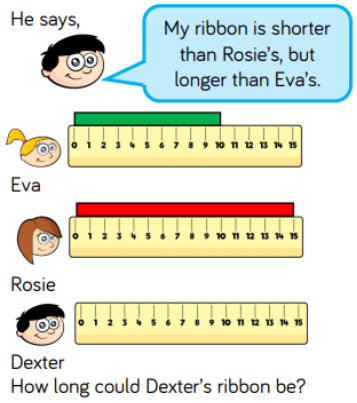
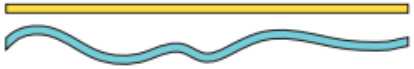
	units – centimetres and metres for length/height.	Reading scales - KS1 Maths - BBC Bitesize Then complete the worksheets on the Home Learning page: Chocolate Bar Measuring. You don't have to print them out - you can record your answers on paper.	**How Tall?** Age 5 to 11 Challenge Level ★ Here is part of the conversation between a group of children as they discuss a tall tree nearby: "I wonder how tall it is?" says Linus. "I think we could find out ," replies Raj. "It could be difficult as it's very high," says Toby. I wonder how they each went about finding out the height of the tree? I wonder how YOU would find out how tall a large tree in your surroundings is? Here is the link to the NRich website which has more information and ideas on solving this problem: How Tall? (maths.org) .
5	To solve problems involving doubing and halving	1.Watch Lesson 5 on Oak Academy To solve problems involving doubling and halving (thenational.academy) In this lesson, you will find double or half of a length. 2. Complete the independent tasks finding half and double of lengths of ribbon. 3. Complete quiz	Extension activity: Eva, Dexter and Rosie are comparing ribbons that they have. Unfortunately, Dexter has lost his ribbon.  How long could Dexter's ribbon be?

Lesson 1

Mastery	Mastery with Greater Depth
LENGTH Which line is longer? Explain your reasoning. 	A long brick is twice the length of a short brick. Which is longer: 2 long bricks or 3 short bricks? 3 long bricks or 5 short bricks?