

## Maths Challenges Summer Term 2019-2020

### Week 5

<b>Focus</b>	<b>Challenge 1</b>	<b>Challenge 2</b>	<b>Challenge 3</b>
<p><b>Measure (length) and real life problems</b></p>	<ul style="list-style-type: none"> <li>• Work out the length and width of a room in your house by counting the number of strides or footsteps. Get a family member to count their strides/footsteps...Why might there count be different?</li> <li>• Measure a range of kitchen items in centimetre lengths using a tape or ruler. Make sets of items that are more or less than 20cm in length</li> <li>• Count in multiples of 10cm to 100cm/1m and beyond (eg 1m 10cm, 1m 20cm...)</li> <li>• Estimate the length of 3 items found in your house or garden and check to see how close you are</li> </ul>	<ul style="list-style-type: none"> <li>• Use non – standard measures (such as footsteps or book lengths) to work out the length of 2 rooms. Calculate the ‘difference’ (by subtracting smallest from largest figure using a calculator)</li> <li>• Measure the length and width of a range of kitchen items in centimetres. First, put the items in order of their length, then their width</li> <li>• Count in multiples of 100m to 1000m/ 1km and beyond (eg 1.1km, 1.2km...)</li> <li>• Estimate the length and width of 3 items found in your home or garden and then check using a tape or ruler. Calculate the ‘difference’ between your estimate and the actual measure</li> </ul>	<ul style="list-style-type: none"> <li>• Compare the length and width of all rooms in your house using non-standard measures and record these on a sheet</li> <li>• Measure a range of kitchen items using a tape measure and record as decimal totals (eg 202 mm =20.02 cm =0.202 m)</li> <li>• Count forward and back in different multiples, starting at any given point (eg 10.25m, 10.5m, 10.75m.../ 22.75km, 22.5km/ 22.25km...)</li> <li>• Ask family members to estimate the length and width of 5 (or more) items found in your home or garden and then measure accurately using standard units. Work out who has the closest estimates.</li> </ul>

