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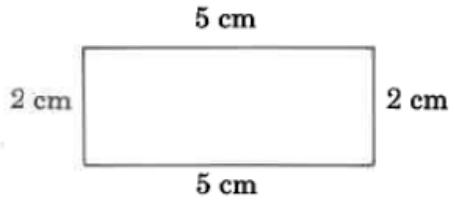
<tr><td>1-3-21</td><td>Website Plan</td><td>Year 4</td></tr>
<tr><td>Learning Objectives</td><td>Activities</td><td>Learning Outcomes/Notes</td></tr>
<tr><td>Monday
Measure length using mm, cm</td><td>Revision:
mm, cm, m and km are all different units of measurement.
Make a table in your home learning book like the one below.
List items that you could measure for each unit. For example, it would be sensible to measure a grain of rice in mm.
For the first 3 columns, you can look for items around your home. You may need to think a little bit bigger for kilometres! Try to think of at least 5 items for each unit of measurement.
As an additional challenge, see if you can measure the items you have found for mm and cm.

<table><tr><th>mm</th><th>cm</th><th>m</th><th>km</th></tr><tr><td>A grain of rice (7mm)</td><td>Reading book (20cm)</td><td>Size of my back garden</td><td>Distance between Ely and Cambridge</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table></td><td>LO: I can measure perimeter on a grid</td></tr>
<tr><td>Tuesday
Calculate the perimeter of rectilinear figures</td><td>Perimeter is the distance around the outside of a 2D shape.
Refresh your memory using this BBC Bitesize link:
https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h

A catchy song to explain perimeter: https://www.youtube.com/watch?v=n5ULJ_kcFzI

Look at your table from yesterday. Choose 5 items to measure the perimeter of.
You will need to measure each side and add them together.

Eg. 5cm + 5cm + 2cm + 2cm = 14cm
 

Challenge: Can you think of a more efficient way of working out the perimeter of rectangles using multiplication?</td><td>LO: I can calculate the perimeter of rectangles</td></tr>
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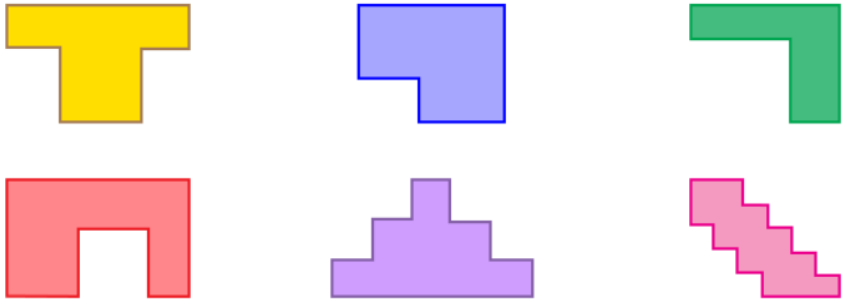
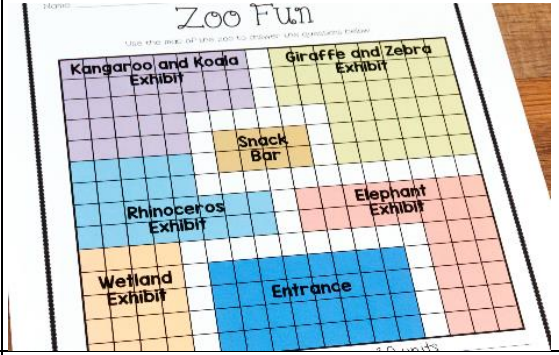
Wednesday Calculate the perimeter of rectilinear shapes	Can you find some sticks in your garden? You may have to pop out for a walk. If you don't have sticks you can use another straight object from around the house, like books or dried spaghetti! Once you have your sticks, lay them out to create a rectilinear shape. A rectilinear shape has only right angles. Here are some examples:  Once you have built your rectilinear shape, meaure the perimeter! You could use a ruler, but a tape measure may be more helpful! Challenge: Does the perimeter change if you move the same sticks into a new shape?	LO: I can calculate the perimeter of rectilinear shapes
Thursday Calculate the perimeter of rectilinear shapes	 Design the layout of a theme park or wildlife park. Have a think about what you need to include, somewhere to eat, toilets, space for rides or animal enclosures etc. If you are designing a wildlife sanctuary, you need to think about which animals need the most space and which can live next to each other! Once you have drawn your plan, measure the perimeter of each 'section'. It may look something like this example.	LO: I can calculate the perimeter of rectilinear shapes
Friday Calculate the perimeter of rectangles	Using a ruler, how many rectangles (remember these include squares) can you draw with a perimeter of 12cm? Make sure you aren't just drawing the same shape in a different rotation! How about a perimeter of 18cm? A perimeter of 24cm? What do you notice? Is there a pattern?	LO: I can draw shapes with a given perimeter