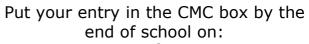


# Autumn 1 Challenge 4

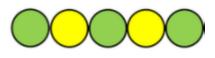


**Tuesday 19th November** 

## **EYFS (Nursery and Reception)**

Patterns are everywhere! Look around your house and see what repeating patterns

you can find, or make a repeating pattern using things in your house. Draw the repeating pattern and then describe it. How many patterns can you make?



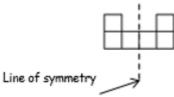
## KS1 (Year 1 & 2)



Lottie bought a lollipop. It cost 6p. She paid for it exactly. Which coins did she use? There are 5 different ways to do it. Find as many as you can. What if the lollipop cost 7p?

### <u>Lower KS2 (Year 3 & 4)</u>

Polly placed 6 squares edge to edge like this to make a symmetrical shape.

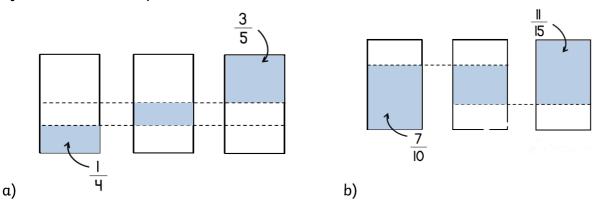


She then moved the 6 squares to make another symmetrical shape.

What different symmetrical shapes can be made from 6 squares? Find as many different symmetrical shapes as you can. Draw each shape on squared paper (at the office) and mark the lines of symmetry.

### <u>Upper KS2 (Year 5 & 6)</u>

Here are 3 identical rectangles. Part of each shape has been shaded. What fraction of the middle shape is shaded?



Remember you can work the challenge out any way you would like to: draw pictures, use materials like buttons as counters, count in your head... Just make sure you show this on your solution paper!