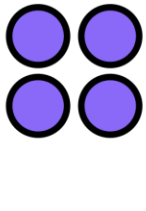
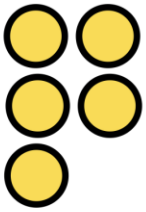
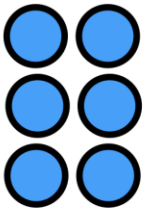
Year 5 - Autumn Term - Maths Focus Areas

Each term, we have identified three areas which are a key focus to children being ready to progress in Maths in the next term. In order for children to fully embed this knowledge, we recommend little and often practice. Little and often at home and at school will help your child become fluent in these milestones and focus areas.

Composition of number milestone

How many hundreds in a 6-digit number

When considering the composition of number, children learn to identify how we can break numbers down into other values e.g. number of 10s in a number, number of 100s in a number. Here children look at how many hundreds there are in a 6-digit number. We look at this in 2 ways. Firstly, we can use place value counters to represent number in place value columns and exchange them for 100 counters (as represented in words below).

HTh	TTh	Th	H	T	O
100,000s	10,000s	1,000s	100s	10s	1s
4	5	6	2	0	0
					
4 hundred thousands	5 ten thousands	6 thousands	2 hundreds		
4,000 hundreds	500 hundreds	60 hundreds	2 hundreds		

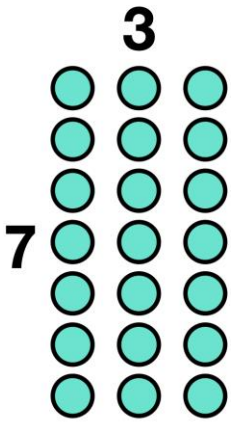
Once children gain this understanding, they can then consider the mathematical calculation behind it by dividing a 6-digit number by 100.

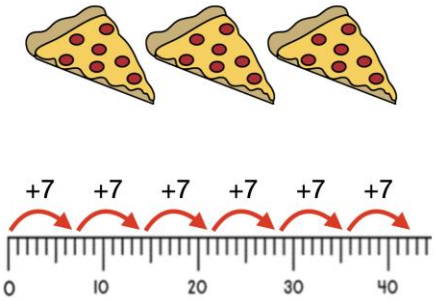
HTh	TTh	Th	H	T	O
100,000s	10,000s	1,000s	100s	10s	1s
4	5	6	2	0	0
	÷ 100	4	5	6	2

456,200 ÷ 100 = 4,562

Multiplicative thinking milestone

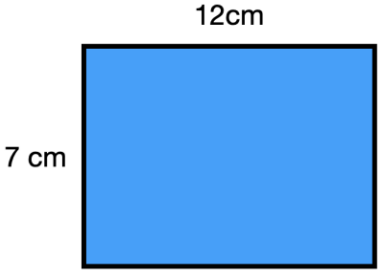
To recall and use multiplication and division facts for the 7 times table.
To be fluent, children should know the product of two factors in the 7 times table. For example seven, three times is 21.
Children should be able to use this table knowledge to identify known multiplicative and division facts. e.g. 7 x 3 = 21, 3 x 7 = 21, 21 ÷ 7 = 3, 21 ÷ 3 = 7





Other milestone

Area and perimeter
Children learn how to identify the differences between area and perimeter. We learn that when solving perimeter, we calculate the total measurement around the outside of a shape. We work with the following formulas:



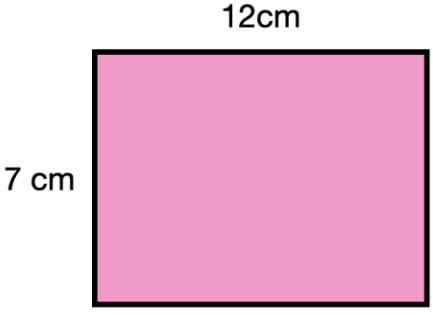
width + width + length + length = perimeter

7cm + 12cm + 7cm + 12cm = 38cm

width x 2 + length x 2 = perimeter

7cm x 2 + 12cm x 2 = 38cm

Area is measured in "square" units. When solving area, we calculate the amount of space within a shape (ensuring that we recognise this as being squared) using the following formula:



width x length = area

7 cm x 12 cm = 84 cm^2

These areas will form part of your child's shared learning weekly. Please can you keep an additional focus on these areas where possible.