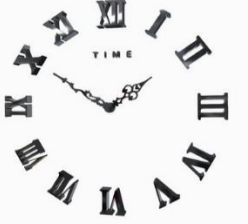
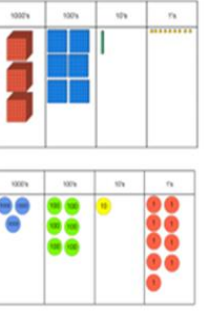

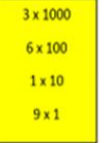





Captain Webb Primary School medium term plan

Year 4

Autumn 2	Strand	Number of weeks	Key knowledge (from the NC)	Learning intentions	Resources and methods (Calculation policy)
	Place Value: Roman Numerals	2	<ul style="list-style-type: none"> Knows the symbols for Roman numerals up to C = 100. Knows the rules of Roman numerals i.e., rule of three symbols, rule of order. Knows that over time, the numeral system changed to include the concept of zero and place value. 	<ul style="list-style-type: none"> I know that Romans used a system of letter combinations to represent many numbers. I know the rules to convert between Roman numerals and Arabic number systems. I know the rules of Roman numerals i.e., rule of three symbols and the rule of order. 	<p>1 I 11 XI 50 L 2 II 12 XII 100 C 3 III 13 XIII 500 D 4 IV 14 XIV 1000 M 5 V 15 XV 6 VI 16 XVI 7 VII 17 XVII 8 VIII 18 XVIII 9 IX 19 XIX 10 X 20 XX</p> 
	Multiplication	3	<ul style="list-style-type: none"> Knows and applies table facts for recall of multiplication and division facts for multiplication tables up to 12×12. Knows how to multiply two-digit and three-digit numbers by one-digit numbers using expanded or formal 	<ul style="list-style-type: none"> I know the effect of multiplying a number by 1 or 0. I know how to multiply 2 and 3 digit numbers by a 1 digit number using formal written methods. I know how to multiply multiples of 10 and 100 using place value counters. I know how to multiply multiples of 10 and 100 	   

written methods of short multiplication.

- Knows and applies table facts for recall of multiplication and division facts when calculating.
- Knows how to find factor pairs.
- Knows the distributive law along with commutative and associative laws.
- Knows the formal written method of short multiplication with exact answers.

using the expanded written method.

- I know how to multiply 2 and 3 digit numbers by a 1 digit number using formal written methods
- I know that a number can have multiple factor pairs
- I know that I can use factor pairs and commutativity in mental calculations.

Q: 25 x 7 = ?

My estimate is 30 x 7 = 210

In your mind, round the larger number to the nearest tens and then multiply with the other number.

My calculated answer is _____

H T O

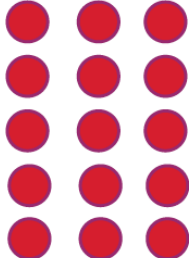
2 5
x 7
—
7 5

In your mind
7 x 5 = 35
7 x 20 = 140

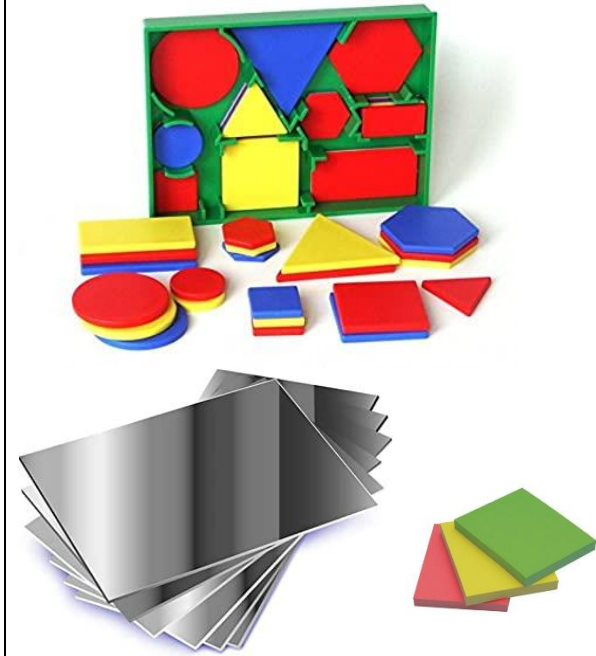
Simple Multiplication Square

x	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

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- Knows how to describe and classify shapes using mathematical properties.
 - Knows how to identify acute and obtuse angles.
 - Knows that two right angles form a straight line.
 - Knows and is familiar with different orientations of lines of symmetry; and can recognise line symmetry in a variety of diagrams, including where the line of symmetry does not dissect the original shape.
 - Knows the properties of regular and irregular polygons.
- I know that an acute angle is less than 90 degrees and an obtuse angle is more than 90 degrees.
 - I know that angles within a shape are a property of the shape that can help identify it.
 - I know the properties of different types of triangle.
 - I know the properties of different types of quadrilateral
 - I know how to classify quadrilaterals based on their properties.
 - I know how to identify lines of symmetry.
 - I know how to complete a simple symmetric figure with respect to a specific line of symmetry



Quadrilateral Venn Diagram

