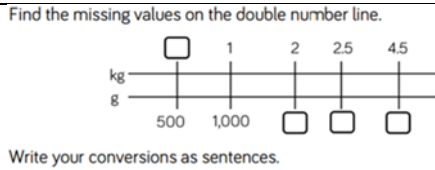
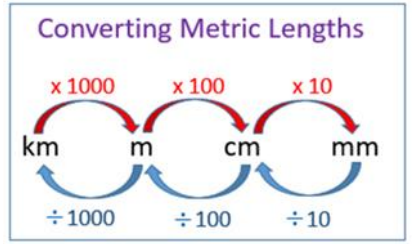
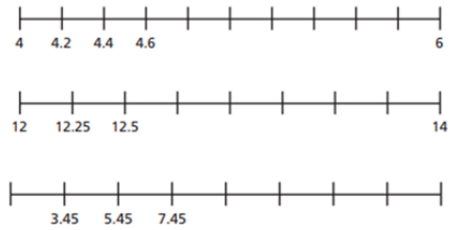
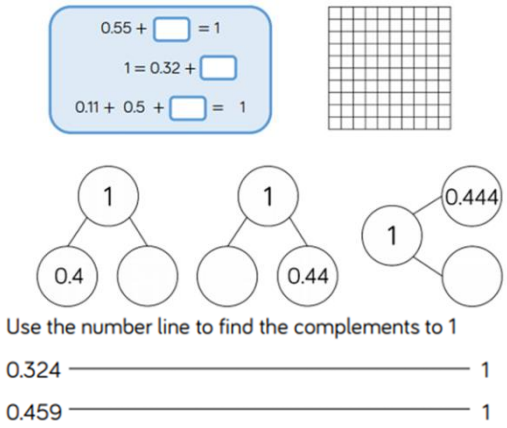
Captain Webb Primary School medium term plan

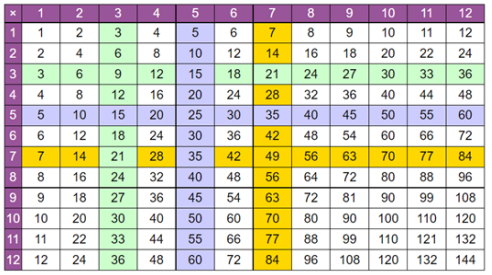
Year 5

Summer 1	Strand	Number of weeks	Ready to Progress (Based on National Curriculum objectives)	Key areas of knowledge (small steps in learning)	Resources and methods (Calculation policy)
	Measure	2	**Knows how to use place value, multiplication, and division to convert between standard units.** **Knows the common imperial measurements in use and begin to convert to metric measures.** **Knows how to use an approximate equivalence between metric and imperial units such as inches, pounds, and pints.**	• I know how to use place value, multiplication and division to convert between standard units. • I know the common imperial measurements in use and begin to convert to metric measures.	 

	FDP	2	*Knows decimal notation and the language associated with it for up to three decimal places.* *Knows how to add/subtract whole numbers with more than 4 digits (and with up to 3 decimal places), including using formal written methods (columnar addition)* **Knows how to use all 4 operations involving time and money, including conversions.** *Knows that decimals, fractions and percentages are different ways of expressing proportions.* **Knows how to use thousandths and relate them to tenths, hundredths, and decimal equivalence.**	• I know how to sequence decimal numbers	
				• I know how to add decimals within 1 • I know how to subtract decimals within 1 • I know how to add decimals across a whole. • I know how to add decimals using a formal method.	

Summer 1	Strand	Number of Lessons	Ready to Progress (Based on National Curriculum objectives)	Key areas of knowledge (Small steps in learning)	Resources and methods
	Word Problems (Measure)	1	I know what the narrative is about and what words identify the operations and the concepts needed.	• I know which words tell me to subtract/add/multiply/divide in a problem. •	<u>Lesson 1</u>

					1. Whitney has £8.52. She buys a comic for £3.75. How much money does she have left? 2. Ron and Dora are doing a sponsored walk. Ron walks 3.12 miles. Dora walks 5.44 miles. How much further does Dora walk than Ron? 3. Tommy has three pieces of string. The first piece is 0.78 m long. The second piece is 0.24 m shorter than the first piece. The third piece is 0.07 m shorter than the second piece. What is the total length of all three pieces of string? Give your answer in metres and centimetres. 4. The mass of a bag of marbles is 54.3 g. Two marbles (weighing 7.2g and 14.34g) are removed from the bag. What is the mass of the bag of marbles now?

	Reasoning	1	I know how to choose examples that prove the rule from a conjecture or line enquiry.	• I know how to present my mathematical thinking to prove a conjecture true or false.	<u>Lesson 1</u> 

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1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

	Patterns and Rules (Volume)	1	I know what a repeating pattern is and can predict sequences.	• I know how to use models to help predict sequences.