In this unit we will …
- Multiply by and Divide by multiples of 10 and 100
- Multiply and divide by 0 and 1
- Learn all our times tables from 1 to 12
- Understand related multiplication and division facts
- Find solutions to multiplication and division word problems

Year 4 – Multiplication and Division

National Curriculum Link – Year 4
- Recall multiplication and division facts for multiplication tables up to 12 × 12.
- Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.
- Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days

We will need some maths words. Are any of these new?
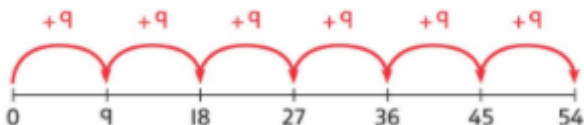
How does this unit build on prior learning?
This unit builds upon the previous work children have done on multiplication and subtraction from Year 3, where children learnt how to multiply by equal grouping and to divide using sharing. This unit also builds upon previous work children have done on addition and subtraction. It also develops children's reasoning skills, which they are developing throughout the year.

Before they start this unit, it is expected that children:
• know how to multiply and divide by 2, 3, 4, 5, 8 and 10
• understand related multiplication and division facts
• know how to apply their knowledge of these facts to solve problems.

Key Vocabulary	
multiply	to add equal groups
divide	to break the number into equal parts
multiplication fact	the answer to a multiplication question
division fact	the answer to a division question
lots of	to multiply is to find lots of
groups of	to find number of groups to multiply
times-table	multiplication tables
array	a pictorial representation of times tables
remainder	amount left over when a number cannot be divided exactly
factor	a number that divides another number exactly
multiple	a number part of another number's times table
product	the answer when two numbers are multiplied together

We need to use the number line too! Use it to support your counting in groups.

$6 \times 9 = 54$

Do you remember what this is called? Use it to find 2 × 7 or 7 × 2.

Multiplication and Division Facts

x	1	2	3	4	5	6	7	8	9	10	11	12
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

Maths at Alice Ingham

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