

Spring

Year 2

Number – PV
Fractions
Number – A/S

Strands covered:

Measure

Money

Number – M/D

Geometry

What Prior Knowledge should students have?

- add and subtract one-digit and two-digit numbers to 20, including zero;
- read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- count in multiples of twos, fives and tens
- solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher

What Skills will students learn (Disciplinary Knowledge)

- How to add and subtract 2-digit numbers and 1s.
- How to compare and sort common 2D and 3D shapes and everyday objects.
- How to solve problems involving multiplication and division, using arrays.
- How to measure, compare and order different masses
- How to find missing numbers
- How to add and subtract a 'near multiple of ten' to a 2-digit number.
- How to construct charts and interpret data
- How to find one third or two thirds of a length and shapes
- How to estimate, measure and record capacity and volume in litres and millilitres.

What key knowledge will be taught (Substantive Knowledge)

- To double numbers to 20.
- To identify and describe the properties of 3D shapes.
- To count in steps of 2, 5 and 10 from 0, forward and backward.
- To recall and use multiplication and division facts for the 2, 5 and 10 times tables
- To add and subtract 2-digit numbers and tens.
- To add three 1-digit numbers.
- To find different combinations of coins that equal the same amounts of money.

Key Vocabulary	Definition
Array	An arrangement of objects, pictures, or numbers in rows and columns
Interpret	To review data and arrive at relevant conclusions
Mass	Mass refers to the quantity of matter in an object. Mass is generally measured by how much something weighs.
Capacity	Capacity is used when measuring how much fluid fits inside a container.
Volume	Volume is defined as the space occupied within the boundaries of an object in three-dimensional space
Estimate	Estimation means having a rough calculation of the value, number, quantity, or extent of something

Calculation guidance

