

# Year 5 Maths – Learning Journey



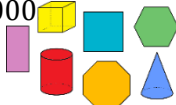
## Summer

### Volume

- Cubic centimetres
- Compare and estimate volume
- Estimate capacity

### Decimals

- Add and subtract decimals.
- Efficient strategies for adding and subtracting decimals
- Decimal sequences.
- Multiplying and divide=ing decimals by 10/100/1000



### Shape

- Understand and use degrees
- Classify angles
- Measure angles up to 180 degrees
- Draw lines and angles accurately.
- Calculate angles around a point or on a straight line.
- Lengths and angles in shapes.

### Converting Units

- Kilograms and kilometres.
- Millimetres and millilitres
- Convert units of length
- Convert units of time.



### Negative Numbers

- Understand negative numbers.
- Count through zero in ones and multiples.
- Compare and order negative numbers.
- Find the difference

### Position and Direction

- Read and plot coordinates
- Translation.
- Lines of symmetry.
- Reflection

## Spring

### Decimals and Percentages

- Decimals up to 3 decimal places
- Equivalent fractions and decimals up to thousandths
- Order and compare decimals
- Round to the nearest whole number or one decimal place
- Understanding percentages and as fractions and decimals.

### Multiplication and Division B

- Multiplying 4-digit numbers by 1-digit number
- Multiplying 2,3,4-digit numbers by 2-digit number
- Solve problems with multiplication
- Short division
- Dividing 4-digit numbers by 1-digit number
- Divide with remainders



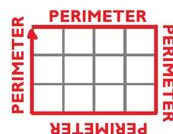
### Statistics

- Draw read and interpret line graphs.
- Read and interpret tables, 2-way tables and timetables.



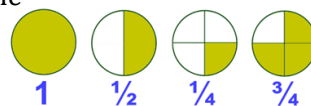
### Perimeter and Area

- Perimeter of rectilinear shapes
- Perimeter of polygons.
- Area of rectangles and compound shapes



### Fractions B

- Multiply fractions by an integer
- Fractions of amounts
- Finding the whole



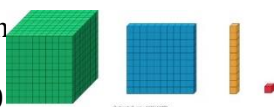
## Autumn

### Multiplication and Division A

- Common multiples and Factors
- Prime, square and cube numbers
- Multiply and divide by 10/100/1000

### Place Value

- Representing numbers up to 1,000,000
- 10/100/1000/10,000/100,000 more or less
- Comparing and ordering numbers up to 1,000,000
- Round to the nearest 10/100, within 1,000,000



### Fractions A

- Equivalent fractions.
- Convert improper and mixed fractions
- Compare and order fractions.
- Add and subtract fractions.

### Addition and Subtraction

- Adding and subtracting numbers with more than four digits
- Rounding to check answers
- Inverse operations
- Multi-step problem solving including missing numbers

