

**CURRICULUM CONTENT****1. Number**

- 1.1 Addition and subtraction of fraction
- 1.2 Multiplication and division of fraction
- 1.3 Number bases

**2. Decimals**

- 2.1 Ordering decimals
- 2.2 Adding and subtracting decimals
- 2.3 Multiplying decimals
- 2.4 Dividing decimals
- 2.5 Square and square roots of decimals
- 2.6 Rounding numbers
- 2.7 Writing fractions as decimals

**3. Angles**

- 3.1 Measuring and drawing angles
- 3.2 Angles larger than  $180^\circ$
- 3.3 Angles in shapes
- 3.4 Angles and lines
- 3.5 Parallel lines

**4. Sets**

- 4.1 Sets and subsets
- 4.2 More about intersection
- 4.3 Letters for sets
- 4.4 Union of sets
- 4.5 Complement of a set

**5. Measurements**

- 5.1 Units of measure
- 5.2 Perimeter
- 5.3 Areas of rectangles and triangles
- 5.4 Area of circle
- 5.5 Scale drawing

**6. Negative numbers**

- 6.1 Number lines
- 6.2 Negative numbers
- 6.3 Negative numbers and addition
- 6.4 Some ways we use negative numbers
- 6.5 Negative coordinates

**7. Relations and graphs**

- 7.1 Arrow diagrams
- 7.2 Mappings
- 7.3 Ordered pairs
- 7.4 Plotting graphs
- 7.5 Reading graphs
- 7.6 Graphs of relations
- 7.7 Inequalities

**8. Transformations**

- 8.1 Reflections
- 8.2 Translating shapes
- 8.3 Rotation

**9. Statistics**

- 9.1 Frequency table
- 9.2 Pie chart
- 9.3 Bar chart
- 9.4 Line graphs and scales
- 9.5 Surveys
- 9.6 Averages- mode, median and mean

**10. Patterns and algebra**

- 10.1 Rectangular, prime and square numbers
- 10.2 Triangle numbers
- 10.3 Formulas
- 10.4 Basics of algebra
- 10.5 Brackets
- 10.6 Solving linear equations

**11. Volume**

- 11.1 What is volume?
- 11.2 Units of volume
- 11.3 Volume of cuboids
- 11.4 Volume of liquids

**12. Consumer arithmetic**

- 12.1 Banking
- 12.2 Taxes
- 12.3 Utility bills

