

# St. Anne's R.C. Primary and Nursery School

## Mathematics

### Parents' Guide 'Must do' by the end of Year 6

#### Number

- Read, write and order numbers to 10,000,000
- Round any number to any degree of accuracy
- Add and subtract negative numbers
- Multiply a 4-digit number by a 2-digit number
- Divide a 4-digit number by a 2-digit number, expressing remainder as a fraction, decimal fraction or by rounding to whole numbers
- Mental Agility: Calculations involving large numbers
- Mental Agility: Calculations involving two operations
- Use estimation to check answers
- Carry out problem solving calculations involving all 4 operations
- Add and subtract mixed numbers with fractions of different denominations
- Fractions: Multiply simple fractions, writing answers in their simplest forms
- Divide proper fractions by whole numbers
- Identify value of each digit in a 3 decimal place number
- Multiply decimal fraction with 3 decimal places by 10, 100 and 1000
- Multiply and divide a number with 2 decimal places by 1-digit and 2-digit numbers
- Percentages: Use percentages for comparisons
- Calculate percentage of whole numbers
- Recall and use equivalences between fractions, decimal fractions and percentages
- Ratio: Use ratio to show relative sizes of 2 quantities
- Algebra: Solve linear missing numbers
- Continue a linear number sequence involving positive and negative numbers

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#### Shape and Measures

- Compare and classify geometrical shapes based on properties and size
- Find unknown angles in a triangle, quadrilateral and regular polygon Illustrate and name parts of a circle, including radius, diameter and circumference
- Recognise, describe and build 3D shapes
- Create a cuboid from a net
- Describe properties of 3D shapes and identify parallel planes and symmetry
- Estimate size of angles
- Describe position on the full coordinate grid
- Draw, translate and reflect shapes
- Read, write and convert between standard units of length, mass, volume and time
- Calculate area of parallelograms and triangles
- Data: Draw, read and interpret graphs
- Use and interpret mean as an average