

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

## Mathematics

### Parents' Guide 'Must do' by the end of Year 5

#### Number

- Read, write and order numbers to 1,000,000
- Count on and back in steps of 100; 1,000; 10,000 up to 1,000,000
- Round any number to the nearest 10; 100; 1,000; 10,000 or 100,000
- Estimate and calculate additions involving 2 3-digit numbers (to nearest 10)
- Estimate and calculate subtractions involving 2, 3-digit numbers (to nearest 10)
- Estimate and calculate multiplications involving a 2-digit and a 3-digit number (to nearest 10)
- Estimate and calculate divisions of a 3-digit number by a 1-digit number (to nearest 10)
- Add 3 5-digit numbers using column addition
- Subtract one 5-digit number from another, using column subtraction
- Rapid Recall: Mentally add a 2-digit number to a 3-digit number
- Rapid Recall: Mentally add a 1000s number to a 5-digit number
- Rapid Recall: Mentally subtract a 2-digit number from a 3 or 4-digit number
- Rapid Recall: Mentally subtract a 1000s number from a 5-digit number
- Know all factors that make up numbers to 100
- Recognise all prime numbers to 100
- Multiply a 4-digit number by a 2-digit number using formal methods
- Divide a 4-digit number by a 1-digit number (with remainders)
- Multiply numbers by 10, 100 and 1,000

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

## Mathematics

### Parents' Guide 'Must do' by the end of Year 5

#### Number

- Divide numbers by 10, 100 and 1,000
- Recognise and use square numbers and square roots
- Know and use the symbols ( $^2$ ) (square), ( $^3$ ) (cubed) and ( $\sqrt{\quad}$ ) (square root) accurately
- Fractions: Compare and order fractions whose denominators are multiples of the same number
- Convert mixed numbers to improper fractions and visa versa
- Add and subtract fractions with the same denominator
- Multiple proper fractions and mixed fractions by whole numbers
- Decimal Fractions: Read and write decimal numbers as fractions (up to hundredths)
- Round decimals with two decimal places to nearest whole number and one decimal place
- Read, write, order and compare decimal numbers with up to three decimal places
- Percentages: Recognise the % symbol
- Understand that percentage is measured as part of 100
- Solve problems which require knowing percentage and decimal value of  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{2}{5}$ ,  $\frac{4}{5}$

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

## Mathematics Parents' Guide 'Must do' by the end of Year 5

### Shape and Measures

- Measure angles in degrees
- Draw a given angle accurately
- Know and use reflex angles
- Construct shapes from given dimensions
- Identify 3D shapes from 2D representations
- Identify, describe and represent the position of a shape following reflection and translation
- Add, subtract, multiply and divide units of measure (using decimal notation)
- Understand and use basic equivalence between metric and common imperial units
- Calculate, estimate and compare areas of squares and rectangles using cm squared ( $\text{cm}^2$ ) and metre squared ( $\text{m}^2$ )
- Recognise volume in practical contexts