**Parents’ Guide ‘Must Dos’ 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 numbers (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

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**Number**

•Divide number by 10, 100 and 1,000

•Recognise and use square numbers and square roots

•Know and use the symbols (.),(3) and (√) 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

**Number**

•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 ½, ¼, ⅕, ⅖ and ⅘

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**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 (cm.) and metre squared (m.)

•Recognise volume in practical contexts