Reinwood Junior School Key Performance Indicators and Standards

Year 5 Maths

Key performance indicator	Performance standard
Number and place value I can: • read, write, order and compare numbers to at least 1,000,000 and determines the value of each digit. • interpret negative numbers in context, counts forwards and backwards with positive and negative whole numbers including through zero. **Addition and subtraction** I can: • add and subtract whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction). • add and subtract numbers mentally with increasingly large numbers (eg 12,462 - 2,300 = 10,162). **Multiplication and division** I can: • identify multiples and factors including finding all factor pairs of a number and common factors of two numbers. • solve problems involving multiplication and division including using a knowledge of factors and multiples, squares and cubes. • solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. • multiply numbers up to 4 digits by a one digit or a two digit number using a formal written method. • divide numbers up to 4 digits by a one digit number. • recognise and uses square numbers and cube numbers. **Fractions (including decimals)** I can:	By the end of Y5, a child should be fluent in formal written methods for addition and subtraction. Using a developing knowledge of formal methods of multiplication and division, a child should be able to solve problems including properties of numbers and arithmetic A child can: • make connections between fractions, decimals and percentages; • classify shapes with geometric properties and use the vocabulary needed to describe them; and • read, spell and pronounce mathematical vocabulary correctly.

• compare and orders fractions whose denominators are all multiples of the same number. • add fractions whose denominators are multiples of the same number. • recognise mixed numbers and improper fractions and converts from one to the other. • write percentages as a fraction or a decimal. • read and write decimal numbers as fractions eg 0.71 = 71/100. • read, write, order and compare numbers with up to three decimal places. **Measurement** I can: • convert between different units of metric measure (eg kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre). • measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. • calculate and compare the area of rectangles (including squares), and including using standard units, square, centimetres (cm2) and square metres (m2) **Geometry: Properties of shape** I can: • Draw given angles and measures them in degrees (0). • Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. **Statistics** I can: • complete, read and interpret information in tables, including timetables	