Iford and Kingston CE Primary School

Assessment - Y5 Maths

Key Performance Indicator

Number and place value

Reads, writes, orders and compares numbers to at least 1,000,000 and determines the value of each digit

Interprets negative numbers in context, counts forwards and backwards with positive and negative whole numbers including through zero

Addition and subtraction

Adds whole numbers with more than four digits, including using formal written methods (columnar addition and subtraction)

Subtracts 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)

Solve multi step problems

Multiplication and division

Identifies multiples and factors including finding all factor pairs of a number and common factors of two numbers

Divides number up to 4 digits by a one digit number using a formal written method.

Solves problems involving multiplication and division including using a knowledge of factors and multiples, squares and cubes

Solves problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates

Fractions (including decimals)

Compares and orders fractions whose denominators are all multiples of the same number

Reads and writes decimal numbers as fractions eg 0.71 = 71/100

Recognise mixed numbers and improper fractions and convert from one form to the other.

Reads, writes, orders and compares numbers with up to three decimal places

Performance Standard

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.

Solves problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25

Measurement

Converts between different units of metric measure (eg kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)

Measures and calculates the perimeter of composite rectilinear shapes in centimetres and metres

Calculates and compares the area of rectangles (including squares), and including using standard units, square centimetres (cm2) and square metres (m2)

Geometry

Draws given angles and measures them in degrees (0)

Distinguishes between regular and irregular polygons based on reasoning about equal sides and angles

Statistics

Completes, reads and interprets information in tables, including timetables