Mathematics KPIs **Year 4**

Eden Park Primary and Nursery School

Number and place value

*Counts in multiples of six, seven, nine, 25 and 1,000

*Counts backwards through zero to include negative numbers

*Orders and compares numbers beyond 1,000

*Rounds any number to the nearest 10, 100 or 1,000

Addition and subtraction

*Solves addition and subtraction two-step problems in context, deciding which operations and methods to use and why

Multiplication and division

*Recalls multiplication and division facts for multiplication tables up to 12 x 12

Fractions (including decimals)

*Recognises and shows, using diagrams, families of common equivalent fractions

*Counts up and down in hundredths; recognises that hundredths arise when dividing an object by 100 and dividing tenths by 10

*Rounds decimals with one decimal place to the nearest whole number

*Solves simple measure and money problems involving fractions and decimals to two decimal places

Measurement

*Converts between different units of measure e.g. kilometre to metre; hour to minute

Geometry: properties of shape

*Compares and classifies geometric shapes, including quadrilaterals and triangles, based on their properties and sizes

*Identifies lines of symmetry in two dimensional shapes presented in different orientations

Geometry: position and direction

*Plots specified points and draws sides to complete a given polygon

Statistics

*Solves comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

Mathematics Performance Standards **Year 4**

With reference to the KPIs

By the end of Y4, a child should be fluent with whole numbers and the four operations, including number facts and the concept of place value

A child will be developing efficient written and mental methods and performing calculations accurately with increasingly large whole numbers

A child can:

*solve a range of problems including those with simple fractions and decimal place value;

*draw shapes with accuracy using mathematical reasoning and analyse shapes and their properties, confidently describing the relationships between them;

*use measuring instruments accurately, making connections between measure and number;

*recall the multiplication tables up to and including the 12 multiplication table and show precision and fluency in the work; and

*read and spell mathematical vocabulary correctly and confidently using a growing word reading knowledge and a knowledge of spelling.