Maths: Year 5 key performance indicators

Number and Place Value

• Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit

• Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero

Addition and Subtraction

• Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)

• Add and subtract numbers mentally with increasingly large numbers

• Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Fractions

• Compare and order fractions whose denominators are all multiples of the same number

• Read and write decimal numbers as fractions e.g. 0.71 = 71/100

• Read, write, order and compare numbers with up to three decimal places

• Solve 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
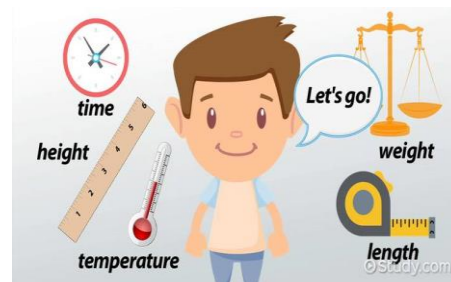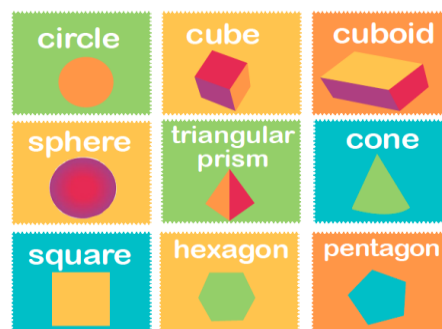
Measurement

• Convert between different units of metric measure (for example, 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) and estimate the area of irregular shapes

Properties of Shape

• Draw given angles, and measure them in degrees (°)

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

Multiplication and Division

• 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 their knowledge of factors and multiples, squares and cubes

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

Statistics

• Solve comparison, sum and difference problems using information presented in a line graph

FRUIT	NUMBER OF CHILDREN WHO CHOSE IT
PEAR	
WATERMELON	
ORANGE	
APPLE	
BANANA	