Key Performance Indicators by Year Group

Year 6

Number & Place Value
Calculate intervals across zero including use of negative numbers in context
Round whole numbers up to 10 000 000 with required deg. of accuracy
Calculations
Multiply and divide numbers up to 4 by 2 digit whole numbers, using formal meth.
Solve multi-step x + - problems in less familiar contexts
Check answers to mixed operation calcs, using eg estimation and spc deg. accuracy
Fractions, Decimals & Percentages
Recall and use equivalence between simple FDP, including in different contexts
Use written division methods in cases where answer has up to 2 dp
Solve problems which require decimal answers to be rounded to a spec. accuracy
Measures
Use read and write standard units with up to 3 dp, include converting 1 to another
Recognise when it is possible to use formulae for area and volume of shapes
Geometry
Compare and classify geometric shapes based on increasingly complex properties
Find unknown angles and lengths in triangles, quadrilaterals, reg. polygons
Draw and translate simple shapes on the coordinate plane, and reflect them
Statistics
Solve problems using pie charts and line graphs
Ratio
Solve problems involving the calculation of percentages and use them to compare
Solve problems involving unequal sharing and grouping using know. Of Fract/mult
Algebra
Use simple formulae

Y5

Number & Place Value
Count forwards and backwards with positive and negative whole number, inc '0'
Read and write numbers to at least 1000000 and determine p. value of each digit
Interpret negative numbers in context
Calculations
Add and subtract numbers mentally with increasingly large numbers
Solve problems involving addition, subtraction, mult and div, combining them
Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
Fractions, Decimals & Percentages
Read and write decimal numbers as fractions
Know % and dec. equivalents of 1/2, 1/4 , 1/5, 2/5, 4/5 and denominators of 10, 25
Compare and order fractions whose denominators are all multiples of same num.
Measures
Convert between different units of metric measure
Measure the perimeter of composite rectilinear shapes
Calculate and compare the area of rectangles
Geometry
Draw given angles, and measure them in degrees
Plot specified points and draw sides to complete a polygon
Statistics
Interpret more complex tables, including timetables
Ratio
Solve problems which require knowing key percentage and decimal equivalents

Key Performance Indicators by Year Group

Y4

Number & Place Value
Count in multiples of 1000; backwards through zero to include negative numbers
Compare and order numbers beyond 1000
Round whole numbers to 10,000 to the nearest 10, 100 or 1000
Calculations
Mentally add and subtract pairs of three-digit and four-digit numbers
Solve calculation problems involving two-step addition and subtraction in context
Recall multiplication and division facts for multiplication tables up to 12 × 12
Fractions, Decimals & Percentages
Recognize and show using diagrams families of equivalent fractions
Rounds decimals with one decimal place to the nearest whole number
Solve simple measure and money problems involving fractions and decimals to 2dp
Measures
Convert from larger to smaller units of time
Convert from larger to smaller units of metric measure
Solve problems involving mixed units of length, mass and capacity and volume
Geometry
Identify lines of symmetry in 2D shapes, in different orientations
Compare and classify geometric shapes, based on their properties and sizes
Plot specified points and draw sides to complete a polygon
Statistics
Solve comparison, sum and difference problems using information from bar charts
Ratio
Solve calculation problems involving multiplying and adding, including scaling

Y3

Number & Place Value
Count from 0 in multiples of 100, 4, 8 and 50
Find 10 or 100 more or less than a given number
Recognise the place value of each digit in a 3 digit number
Solve number problems and practical place value problems
Calculations
Mentally add and subtract numbers including a 3 digit number
Calculate mentally using multiplic. and div. facts for 3, 4, and 8, inc 2 x 1 digits
Write and calculate math statements for mult and div. from mental to formal met
Fractions, Decimals & Percentages
Recognise, find and write fractions of objects, with unit fractions/small denominat.
Count up and down in tenths, recognise this happens when dividing units by 10
Recognise and show, using diagrams, equivalent fractions with small denominators
Recognise and use fractions as numbers, putting them on a number line
Measures
Tell and write the time from an analogue clock, including using roman nums
Add and subtract amounts of money to give change, recording £ and P separately
Measure, compare, add and subtract: lengths, mass, volume
Geometry
Identify right angles, recognise that two right angles make a half-turn, etc
Describe 2-D and 3 D shapes using accurate language
Statistics
Interpret and present data in bar charts, pictograms and tables

Key Performance Indicators by Year Group

Y2

Number & Place Value
Count in 10's from any number, forward and back
Count in steps of 2, 3 and 5 from 0, forward and backward
Compare and order numbers from 0 up to 100; use < > + signs
Solve number problems with number facts and place value from Year 2 curriculum
Calculations
Use addition and subtraction facts to 20 and derive related facts up to 100
Calculate mentally using multiplication and div facts for the 2, 5 and 10 tables
Solve probs. with add and subtract using concrete, pictorial and written methods
Solve probs. involving mult. and div. using materials, arrays, mental methods etc
Recall mult and div facts for the 2, 5 and 10 tables, recognising odd and evens
Fractions, Decimals & Percentages
Recognise find, name and write fractions for 1/3, ¼ , 2/4, ¾ of a shape, length etc
Measures
Solve simple problems in a practical context involving + - of money, giving change
Add and subtract amounts of money to give change, recording £ and P separately
Measure, compare, add and subtract: lengths, mass, volume
Geometry
Identify, and describe the properties of 2D shapes, inc number of sides, symmetry
Statistics
Interpret data from simple pictograms, tally charts, block diagrams and tables

Y1

Number & Place Value
Count to and across 100, forwards and backwards, from any given number
Identify one more or less than a given number
Count in multiples of 2, 5 and 10
Read and write numbers to 100 in numerals
Calculations
Represent and use number bonds and related subtraction facts within 20
Mentally add and subtract one and two digit numbers to 20
Solve one-step problems that involve addition and subtraction, using concrete obj.
Read, write and interpret mathematical statements involving + - =
Fractions, Decimals & Percentages
Recognise, find and name a half as one of two equal parts of an object shape etc
Measures
Tell the time to the hour and half past the hour and draw hands on a clock face
Compare, describe and solve practical probs for length, height, mass and volume
Recognise and know the value of different denominations of coins and notes
Recognise/ use language relating to dates, incl. days of week, months and years
Geometry
Recognise and name common 2D and 3D shapes in different orientations and sizes