



Year 4

Aspect			
Number and Place Value	- I count backwards through zero to include negative numbers - I count in multiples of 6, 7, 9, 25 and 1000.	- I read Roman numerals to 100 and understand that over time, the numeral system changes to include the concept of zero and place value. - I find 1000 more or less than a given number.	- I compare and order numbers beyond 1000. - I round any number to the nearest 10, 100 or 1000.
Addition and Subtraction	- I add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction, where appropriate. - I estimate and use inverse operations to check answers to a calculation.		I solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
Multiplication and Division	- I recall multiplication and division facts for tables up to 12x12. - I recognise and use factor pairs and commutativity in mental calculations. - I multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout.	- I divide 2-digit and 3-digit numbers by a 1-digit number using formal written layout with no remainder. - I use place value, known and derived facts to multiply and divide mentally, including multiplying by 0 and 1; multiplying three numbers together. - I find the effect of multiplying a number with up to 2 decimal places by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.	



Year 4 (continued)

Aspect			
Fractions		- I recognise and show, using diagrams, families of common equivalent fractions. - I add and subtract fractions with the same denominator.	- I find the effect of dividing a 1-digit or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. - I count up and down in hundredths; recognise that hundredths arise from dividing an object into one 100 equal parts and in dividing numbers or quantities by 100. - I recognise and write decimals equivalents of any number of tenths or hundredths. - I recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$. - I round decimals with one decimal place to the nearest whole number. - I compare numbers with the same number of decimal places up to two decimal places.
Measures	- I read, write and convert time between analogue and digital 12- and 24-hour clocks. - I measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m.	I find the area of rectilinear shapes by counting squares.	I convert between different units of measure (e.g. km to m; hr to min).



Year 4 (continued)

Aspect			
Geometry	I compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	- I describe positions on a 2D grid as coordinates in the first quadrant. - I identify lines of symmetry in 2D shapes presented in different orientations. - I complete a simple symmetric figure with respect to a specific line of symmetry.	- I describe positions on a 2D grid as coordinates in the first quadrant. - I describe movements between positions as translations of a given unit to the left/right and up/down. - I plot specified points and draw sides to complete a given polygon. - I identify acute and obtuse angles, and compare and order angles up to two right angles by size.
Statistics	I interpret and present discrete and continuous data using appropriate graphical methods, including: bar charts and time graphs.		I solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.