Number	Read, write and order integers, up to and including 4 digit numbers Use mental methods to add and subtract positive and negative integers Use written methods to multiply & divide up to 3-digit numbers by a single-digit number Multiply and divide whole numbers by powers of 10 Understand and apply BIDMAS Understand and use inverse operations Identify square numbers, up to 144 Recognise odd and even numbers Know the definition of a prime number and be able to list the first 10 prime numbers Know the definition of multiples and factors and to be able to list them Round whole numbers to the nearest 10, 100 and 1000 Use vocabulary associated with fractions such as numerator and denominator Understand and use fraction notation Use diagrams to find equivalent fractions and to make comparisons Convert simple fractions into decimals, such as tenths and hundredths Read from scales and measures Use the 'less than' and 'greater than' symbols
Algebra	Write and plot coordinates in the positive quadrant Multiply, divide, add and subtract basic algebra e.g.: a + a, 2 x a, $\frac{a}{2}$, 3a – a Write expressions using algebraic notation e.g.: I think of a number times it by 2 and add 5
Ratio & Proportion	Convert fractions to a ratio, e.g. $\frac{1}{3}$ and $\frac{2}{3}$ shown in the ratio 1:2 Write ratios in their simplest form Solve simple problems involving direct proportion
Geometry	Know the definition of regular and irregular polygon Know the names of regular polygons up to decagon Name the different angles, acute, obtuse, right-angle and reflex Understand the definition of parallel and perpendicular lines Understand the properties of different quadrilaterals and triangles Understand the definition of line symmetry and rotational symmetry Draw lines of symmetry on basic shapes as well as give order of rotational symmetry Understand the definition of congruency and draw tessellations
Statistics	Collect discrete data and record results using a frequency table Draw a bar chart for discrete data Calculate the total population from a bar chart or table Find greatest and least values from a bar chart or table Use the mode and range to describe sets of data Read information and work out totals from a pictogram Represent information as a pictogram (where the symbol represents1 or 2 units)
Probability	Discuss events using words such as likely, unlikely, certain and impossible Place the probability of events on a scale from impossible to certain Find probabilities based on equally likely outcomes in simple contexts List all outcomes for single events systematically