

Maths Journey Year 6

Secondary
School

Investigations

Statistics:
Interpret line graphs; draw line graphs; circles; read and interpret pie charts; pie charts with percentages; the mean

Term
6

Algebra:

Use simple formula; generate and describe linear number sequences; express missing number problems algebraically

Ratio:

Ratio language; ratio and fractions; calculating ratio; scale factor

Properties of shape:

Calculate angles; angles in triangles; angles in quadrilaterals; drawing shapes accurately; nets of 3d shapes

Term
5

Area, perimeter and volume:

Area and perimeter; area of triangle; area of parallelogram; volume of cuboid

Converting measurements:

Metric measures; miles and kilometres; imperial measures

Percentages:

Fractions to percentages; equivalent fractions, decimals and percentages; ordering fractions, decimals and percentages; percentages of an amount

Position and direction:

Plotting coordinates in the first quadrant; plotting coordinates in all four quadrants; translation; reflection

Decimals:

Numbers to three decimal places; Multiplying by 10, 100 and 1000; dividing by 10, 100 and 1000; multiplying decimals by integers; dividing decimals by integers; decimals as fractions; fractions to decimals;

Term
4

Fractions:

Simplifying fractions, fractions on a number line, compare and order fractions, add/ subtract fractions, mixed number addition/ subtraction, multiply/ divide fractions by integers, multiply/ divide fractions by fractions, fraction of an amount, finding the whole

Term
3

Four operations:

Adding and subtracting integers, multiplication (short and long), division (short and long), factors, multiples, prime numbers, square and cube numbers, order of operations

Term
2

Place Value:

Numbers to ten million, comparing and ordering, rounding, negative numbers

Term
1