



Mathematics

Mathematical areas

Number, algebra, geometry and measures, probability, statistics and ratio, proportion and rates of change.

Number	Algebra	Geometry and measures	Probability	Statistics	Ratio, proportion and rates of change
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Through these areas, pupils will learn and apply declarative, procedural and conditional knowledge.

Declarative knowledge	• Maths vocabulary. • The facts, formulae, patterns, principles, rules they will know.
Procedural knowledge	• Methods, algorithms. • Learning the most efficient and accurate methods to use. • Knowing how to lay out calculations. • Calculating with speed and accuracy.
Conditional knowledge	• Fluency and automaticity in the methods and facts so that they can apply them to problem solving. • Knowing the conditions where combinations of facts and methods will be useful. • Be able to recognise the structure of problems and what they are asking for. • Be able to solve problems without needing to guess or use trial and error.