



Maths knowledge framework

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	<ul style="list-style-type: none">• Maths vocabulary.• The facts, formulae, patterns, principles, rules they will know.
Procedural knowledge	<ul style="list-style-type: none">• Methods, algorithms.• Learning the most efficient and accurate methods to use.• Knowing how to lay out calculations.• Calculating with speed and accuracy.
Conditional knowledge	<ul style="list-style-type: none">• 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.