Maths at a Glance

Bassingbourn Community Primary School · Reception to Year 6

This summary shows how pupils' mathematical knowledge and skills develop as they move through the school. We share expectations at four points: the end of Reception, Year 2, Year 4 and Year 6.

Area	By the end of Reception children can:	By the end of Year 2 pupils can:	By the end of Year 4 pupils can:	By the end of Year 6 pupils can:
Number and place value	Count confidently, and know numbers to 10 and their patterns, including number bonds.	Read, write and compare numbers to 100, and count in 2s, 3s, 5s and 10s.	Read, write and compare numbers to 10,000, and round and order them.	Work with numbers up to 10 million and with negative numbers.
Calculation	Add and subtract small numbers, and recall doubles and number bonds to 5.	Add and subtract two-digit numbers, and recall the 2, 5 and 10 times tables.	Use column addition and subtraction, and recall all times tables to 12 × 12.	Use efficient written methods for all four operations, including long multiplication and division.
Fractions, decimals and percentages	Share objects fairly, and halve and double small amounts.	Find halves, quarters and thirds of shapes and amounts.	Compare fractions, find equivalent fractions and begin to use decimals.	Calculate with fractions, decimals and percentages, and solve ratio and proportion problems.
Measures, time and money	Compare length, weight and capacity, and talk about time and money in everyday life.	Measure length, mass and capacity, tell the time to five minutes and use coins.	Measure and convert units, find perimeter, and tell the time on analogue and digital clocks.	Convert between units, and calculate area, volume and time problems.
Shape, position and statistics	Name and describe familiar 2-D and 3-D shapes, and make patterns.	Describe properties of shapes, and describe position, direction and turns.	Identify angles and lines, use coordinates, and present data in charts and tables.	Use angles and properties of shapes, transformations, and read and draw graphs, including pie charts.
Reasoning and problem solving	Talk about their thinking as they explore numbers and patterns.	Explain their thinking using objects, pictures and sentence stems.	Solve problems in more than one step, and explain and prove their reasoning.	Solve complex problems, choose efficient methods and justify their answers.

Across every stage, pupils use concrete objects, pictures and abstract numbers to build a deep, secure understanding of maths.