

Algebra

Equations					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>To solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ (copied from Addition and Subtraction)</p> <p>To represent and use number bonds and related subtraction facts within 20 (copied from Addition and Subtraction)</p>	<p>To recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. (copied from Addition and Subtraction)</p> <p>To recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (copied from Addition and Subtraction)</p>	<p>To solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction)</p> <p>To solve problems, including missing number problems, involving multiplication and division, including integer scaling (copied from Multiplication and Division)</p>	<p>Missing number problems involving addition, subtraction, multiplication, and division.</p> <p>To find missing lengths when calculating the perimeter.</p>	<p>To use the properties of rectangles to deduce related facts and find missing lengths and angles.</p> <p>Missing number problems for addition, subtraction, multiplication and division.</p>	<p>To express missing number problems algebraically</p> <p>To find pairs of numbers that satisfy number sentences involving two unknowns.</p> <p>To enumerate all possibilities of combinations of two variables.</p>
Formulae					

Algebra

					To recognise when it is possible to use formulae for area and volume of shapes (copied from Measurement)
Sequences					
To sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening (copied from Measurement) To create patterns – repeated patterns and symmetrical patterns with 2D and 3D objects. (copied from geometry)	To compare and sequence intervals of time (copied from Measurement) To order and arrange combinations of mathematical objects in patterns (copied from Geometry: position and direction) missing number sequence problems	To compare and sequence intervals of time (durations) missing number sequence problems	To compare and sequence units of time involving conversions. Missing number sequence problems (fractions, number, decimals)	Missing number sequence problems (fractions, number, decimals, negative numbers)	Missing number sequence problems (fractions, number, decimals negative numbers) To generate and describe linear number sequences.
Key Vocabulary					
					Input, output, function, rule, expression, equation, value
Ready to Progress					
					6AS/MD-4 Solve problems with 2 unknowns.