

# Algebra



| EQUATIONS |  |  |   |        |   |   |
|-----------|--|--|---|--------|---|---|
| EYFS      | Year 1   | Year 2   | Year 3  | Year 4 | Year 5  | Year 6  |
|           | <p>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and <b>missing number problems</b> such as <math>7 = \square - 9</math> (copied from Addition and Subtraction)</p> | <p>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and <b>missing number problems</b>. (copied from Addition and Subtraction)</p> | <p>solve problems, including <b>missing number problems</b>, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction)</p> |        | <p>use the properties of rectangles to deduce related facts and find <b>missing lengths and angles</b> (copied from Geometry: Properties of Shapes)</p> | <p>express missing number problems algebraically</p>                              |
|           |  |  | <p>solve problems, including <b>missing number problems</b>, involving multiplication and division, including integer scaling (copied from Multiplication and Division)</p>         |        |   |   |
|           |  | <p>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>find pairs of numbers that satisfy number sentences involving two unknowns</p> |
|           | <p>represent and use number bonds and related subtraction facts within 20 (copied from Addition and Subtraction)</p>   |  |   |        |   | <p>enumerate all possibilities of combinations of two variables</p>               |

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| FORMULAE   |   |  |        |   |        |  |
|--|---|--|--------|---|--------|--|
| EYFS   | Year 1  | Year 2   | Year 3 | Year 4  | Year 5 | Year 6   |
|  |   |  |        | <p>Perimeter can be expressed algebraically as <math>2(a + b)</math> where <math>a</math> and <math>b</math> are the dimensions in the same unit.<br/>(Copied from NSG measurement)</p> |        | <p>use simple formulae</p> <p>recognise when it is possible to use <b>formulae</b> for area and volume of shapes<br/>(copied from Measurement)</p> |
| SEQUENCES  |   |  |        |   |        |  |
| <p>Order and sequence important times in the day<br/>(copied from Measurement)</p> | <p>Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening<br/>(copied from Measurement)</p> | <p>Compare and sequence intervals of time<br/>(copied from Measurement)</p> <p>Order and arrange combinations of mathematical objects in patterns<br/>(copied from Geometry: position and direction)</p> |        |   |        | <p>generate and describe linear number sequences</p>   |