

# EQUATIONS

| Foundation Stage 1 | Foundation Stage 2 | 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 missing number problems such as</p> $7 = \square - 9$ <p><b>(Addition and Subtraction)</b></p> <p>Represent and use number bonds and related subtraction facts within 20</p> <p><b>(Addition and Subtraction)</b></p> | <p>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.</p> <p><b>(Addition and Subtraction)</b></p> <p>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p> <p><b>(Addition and Subtraction)</b></p> | <p>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p> <p><b>(Addition and Subtraction)</b></p> <p>Solve problems, including missing number problems, involving multiplication and division, including integer scaling</p> <p><b>(Multiplication and Division)</b></p> |        | <p>Use the properties of rectangles to deduce related facts and find missing lengths and angles</p> <p><b>(Geometry: Properties of Shapes)</b></p> | <p>Express missing number problems algebraically find pairs of numbers that satisfy number sentences involving two unknowns enumerate all possibilities of combinations of two variables</p> |

# FORMULAE

|  |  |  |  |  |   |  |   |
|--|--|--|--|--|---|--|---|
|  |  |  |  |  | <p>Perimeter can be expressed algebraically as <math>2(a + b)</math> where a and b are the dimensions in the same unit.</p> <p><b>(Measurement)</b></p> |  | <p>Use simple formulae</p> <p>Recognise when it is possible to use formulae for area and volume of shapes</p> <p><b>(Measurement)</b></p> |
|--|--|--|--|--|---|--|---|

## SEQUENCES

|  |  |  |   |  |  |  |   |
|--|--|--|---|--|--|--|---|
|  |  | Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening<br><b>(Measurement)</b> | Compare and sequence intervals of time<br><b>(Measurement)</b><br><br>Order and arrange combinations of mathematical objects in patterns<br><b>(Geometry: position and direction)</b> |  |  |  | Generate and describe linear number sequences |
|--|--|--|---|--|--|--|---|