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| **ALGEBRA** |
| **EQUATIONS** |
| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| *solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and* ***missing number problems*** *such as* *7 =* 🗆 *- 9* (copied from Addition and Subtraction) | *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)  | solve problems, *including* ***missing number*** *problems, using number facts, place value, and more complex addition and subtraction.* (copied from Addition and Subtraction) |  | *use the properties of rectangles to deduce related facts and find* ***missing lengths and angles***(copied from Geometry: Properties of Shapes) | express missing number problems algebraically |
| *solve problems, including* ***missing number*** *problems, involving multiplication and division, including integer scaling* (copied fromMultiplication and Division) |
|  | *recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100*(copied from Addition and Subtraction) |  |  |  | find pairs of numbers that satisfy number sentences involving two unknowns |
| *represent and use number bonds and related subtraction facts within 20* (copied from Addition and Subtraction) |  |  |  |  | enumerate all possibilities of combinations of two variables |

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