

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 $7 = \square - 9$ (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) | <p>solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction)</p> <p>solve problems, including missing number problems, involving multiplication and division, including integer scaling (copied from Multiplication and Division)</p> | | 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 |
| | 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) order and arrange combinations of mathematical objects in patterns (copied from Geometry: position and direction) | | | | generate and describe linear number sequences |