| Y6 Mathematics | Algebra | |
|---|---|---|
| Forming Expressions and Equations | One Step and Two Step Equations | Vocabulary |
| Letters in expressions represent missing numbers Add 14 to a a + 14 | x x 3x = 12 12 So x = 4 | expression A group of numbers, letters and operation symbols |
| Subtract 20 from b b - 20 Multiply c by 4 4c | 3 x 12 = 3 + x | equation A number statement containing the = sign |
| 12 more than d d + 12 Multiply e by 3 and subtract 5 3e - 5 Add 12 to f and then multiply by 2 2(f + 12) | 12 So x = 9 | formula A type of equation that shows the relationship between variables |
| a + 14 = 20 b - 20 = 15 the = sign | 2x + 5 = 12 | variableA symbol for a value we don't yet know – this is usually a letter |
| 4c = 28Expressions ond + 12 = 30either side of the | 7 2x = 7 | substitution Putting values where letters are |
| 3e - 5 = 10 equals sign have 2(f + 12) = 44 equal value | x 3.5 X = 3.5 | valueA number or the result of a calculation |
| Formulas or Formulae | Equations with Unknown Values | Substitution |
| We often use formulae in geometry Area of a rectangle = length x width A = L x W Area of a triangle = (base x height) ÷ 2 A = (b x h) ÷ 2 | $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | Values can be substituted for the letters w = 3 $x = 5$ $y = 2.5w + 10w + xy - w$ |