

Applications 1.3

Percentage increase and decrease (pages 328 - 333)

Reverse percentages - if given 80%, find 100% (pages 335 - 337)

Add, subtract, multiply and divide mixed fractions (pages 339 - 344)

Applications 1.1

Area formula for a triangle $A = \frac{1}{2} ab\sin C$ (pages 293 - 297)

Using the Sine Rule (pages 299 - 301)

Using the Cosine Rule to find a side or an angle (pages 301 - 304)

Problem solving with the Sine and Cosine Rules (pages 305 - 310)

Relationships 1.3

Solving quadratic equations using algebra (pages 184 - 186)

Solving quadratic equations with the quadratic formula (pages 187 - 191)

Points of intersection between parabolas & straight lines (pages 193 -194)

Problem solving with quadratic equations (pages 195 - 198)

The discriminant of a quadratic equation (pages 199 - 201)

Expressions and Formulae 1.2

Expand brackets (pages 29 - 33)

Factorise expressions (pages 35 - 40)

Completing the square (pages 43 - 45)

Expressions and Formulae 1.4

Rounding to significant figures (pages 85 - 88)

Find the length of an arc of a circle (pages 69 - 72)

Find the area of a sector of a circle (pages 73 - 74)

Volumes of cylinders, cones and spheres (pages 77 - 83)

Find the gradient between two points (pages 61 - 62)

Relationships 1.1

Determine the equation of a Straight Line (pages 100 - 102)

Use function notation (pages 103 - 105)

Solving equations and inequations (pages 113 - 118)

Solving simultaneous equations (pages 125 - 130)

Changing the subject of a formula (pages 133 - 144)

