

2A vwo

1 Linear formulas 6

Refresh 8

- 1.1 Linear relations 10
 - 1.2 Formulas for lines 14
 - 1.3 Sketching a line for a formula 18
 - 1.4 Making linear formulas 22
 - 1.5 Directly proportional 26
 - 1.6 Line through two points 30
 - 1.7 Mixed exercises 34
- Summary Learning goals | Extra exercises 36
- Practice test 42

2 Statistics 44

Refresh 46

- 2.1 Ratio table 48
 - 2.2 Pie chart 52
 - 2.3 Frequency table, bar chart and frequency polygon 56
 - 2.4 Mean, mode and median 60
 - 2.5 Stem and leaf diagram 64
 - 2.6 Grouping data 68
 - 2.7 Mixed exercises 72
- Summary Learning goals | Extra exercises 74
- Practice test 80

Fun with maths | Passing each other 82

Arithmetic and skills 1 83

In depth | Shoe and clothing sizes 90



3 Similarity 94

- Refresh 96
- 3.1 Enlargements 98
- 3.2 Calculating with a scale factor 102
- 3.3 Similar figures 106
- 3.4 Calculating using similarity 110
- 3.5 Mixed exercises 114
- Summary Learning goals | Extra exercises 116
- Practice test 122

4 Roots 124

- Refresh 126
- 4.1 Square roots 128
- 4.2 Adding and subtracting square roots 132
- 4.3 Multiplying square roots 136
- 4.4 Simplifying square roots 140
- 4.5 Cube roots 144
- 4.6 Mixed exercises 148
- Summary Learning goals | Extra exercises 150
- Practice test 156

Fun with maths | Pentominoes 158
Arithmetic and skills 2 159
In depth | Congruent triangles 166

5 Quadratic formulas 170

- Refresh 172
- 5.1 Removing single brackets 174
- 5.2 Removing double brackets 178
- 5.3 Shortening formulas 182
- 5.4 Quadratic formulas 186
- 5.5 Quadratic equations 190
- 5.6 Mixed exercises 194
- Summary Learning goals | Extra exercises 196
- Practice test 202

6 Pythagoras' theorem 204

- Refresh 206
- 6.1 Pythagoras' theorem 208
- 6.2 Calculating a side 212
- 6.3 Applying the theorem 216
- 6.4 Pythagoras in solids 220
- 6.5 Right, acute or obtuse 224
- 6.6 Mixed exercises 228
- Summary Learning goals | Extra exercises 230
- Practice test 236

Fun with maths | Pythagoras 238
Arithmetic and skills 3 239
In depth | Rational and irrational numbers 246

From books 1A and 1B 250
 Index 258

