**Number**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Topics** | **Clip Number** | **R** | **A** | **G** |
| Properties | Place value | 13, 14, 45 |  |  |  |
| Factor | 27 |  |  |  |
| Multiple | 33 |  |  |  |
| Highest Common Factor | 31, 32 |  |  |  |
| Error interval | 774, 775, 776 |  |  |  |
| Indices | Calculation | 102 – 107 |  |  |  |
| Other | Money problem | 747 – 754 |  |  |  |
| Units of measure | 691 |  |  |  |

**Algebra**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Topics** | **Clip Number** | **R** | **A** | **G** |
| Equations | Number machine | 176, 177 |  |  |  |
| Manipulation | Simplification | 156 – 159, 173, 174 |  |  |  |
| Substitution | 155, 278, 780 – 783 |  |  |  |
| Formula | 280 – 287 |  |  |  |
| Graphs | Roots | 253 |  |  |  |
| Turning point | 255 |  |  |  |
| Sequences | Arithmetic | 196, 197, 198 |  |  |  |
| Geometric | 264 |  |  |  |
| *n*th term | 198, 249 |  |  |  |

**Ratio**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Topics** | **Clip Number** | **R** | **A** | **G** |
| Conversions | Lengths | 692, 693, 694, 705, 706 |  |  |  |
| Time | 709, 710, 711 |  |  |  |
| Ratio | Share into a ratio | 332 – 335 |  |  |  |
| Applications | Ratio problem | 335 – 338  |  |  |  |
| Interpretation | 328 – 348, 713, 739 – 742  |  |  |  |
| Ratio to graph | 330, 348 |  |  |  |
| Average speed | 716 – 724 |  |  |  |
| Percentage | Percentage increase | 90, 91, 92, 94, 96, 97, 98 |  |  |  |
| Fraction | Fraction to percentage | 76 |  |  |  |

**Geometry and Measures**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Topics** | **Clip Number** | **R** | **A** | **G** |
| Shape | Name | 822 |  |  |  |
| Regular | 822 |  |  |  |
| Line symmetry | 827 |  |  |  |
| Rotational symmetry | 828 |  |  |  |
| Circle | 534 – 543, 592 |  |  |  |
| Cylinder | 829 |  |  |  |
| Sphere | 829 |  |  |  |
| Trigonometry | 508 – 515 |  |  |  |
| Area and volume | Compound shape | 555, 558, 582 |  |  |  |
| Perimeter | 549 – 552 |  |  |  |
| Angles | Alternate angles | 481 |  |  |  |
| Other | Vector arithmetic | 623 – 626 |  |  |  |

**Statistics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Topics** | **Clip Number** | **R** | **A** | **G** |
| Two-way table | 422, 423, 424 |  |  |  |
| Vertical line diagram | 425 |  |  |  |
| Mean from diagram | 405 – 408, 417 |  |  |  |
| Bar chart | 425 |  |  |  |

**Probability**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Topics** | **Clip Number** | **R** | **A** | **G** |
| Frequency tree | 368, 369 |  |  |  |
| Estimate of probability | 356 |  |  |  |