**Number**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Topics** | **Clip Number** | **R** | **A** | **G** |
| Arithmetic | Order of operations | 24, 44, 120, 150 |  |  |  |
| Fractions | Fraction of a number | 77 |  |  |  |
| Improper fraction | 63, 64 |  |  |  |
| Fraction to decimal | 74 |  |  |  |
| Properties | Number line decimal | 45 |  |  |  |
| Number problem | 20, 23, 51 |  |  |  |
| Prime number | 28 |  |  |  |
| Cube number | 100 |  |  |  |
| Decimal place | 45, 46, 56 |  |  |  |
| Other | Inequality notation | 14, 46, 265, 266 |  |  |  |

**Algebra**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Topics** | **Clip Number** | **R** | **A** | **G** |
| Equations | Linear | 176 – 186, 188, 189 |  |  |  |
| Manipulation | Equivalent expressions | 156 – 159 |  |  |  |
| Terms | 156, 157 |  |  |  |
| Multiply out | 158, 160 – 165, 173, 174 |  |  |  |
| Factorisation | 168 – 171, 221, 223, 224 |  |  |  |
| Graphs | Coordinates | 199 |  |  |  |
| Midpoint | 200 |  |  |  |
| Point on a line | 206 |  |  |  |
| Intercept of a line | 207, 210 |  |  |  |
| Gradient of a line | 201 – 204 |  |  |  |
| Equation of a line | 205 – 214 |  |  |  |

**Ratio**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Topics** | **Clip Number** | **R** | **A** | **G** |
| Conversions | Time | 709, 710, 711 |  |  |  |
| Percentages | Ratio and percentage | 330 |  |  |  |
| Percentage increase | 90, 91, 92, 94, 96, 97, 98 |  |  |  |
| Percentage decrease | 90, 91, 92, 95, 96, 97 |  |  |  |
| Ratio | n : 1 form | 331 |  |  |  |
| Applications | Proportion problem | 339 – 342, 739 – 742 |  |  |  |
| Scale diagram | 864 – 871 |  |  |  |
| Better value | 763 – 772 |  |  |  |
| Ratio to percentage | 330 |  |  |  |
| Equation to percentage | 176, 82, 83, 87,  89, 90, 97, 98 |  |  |  |
| Rate of output | 738, 896 |  |  |  |

**Geometry and Measures**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Topics** | **Clip Number** | **R** | **A** | **G** |
| Shapes | Draw shape | 822 |  |  |  |
| Quadrilateral | 824, 825, 826 |  |  |  |
| Parallelogram | 824, 825, 826 |  |  |  |
| Part of circle | 592 |  |  |  |
| Pythagoras | 498, 499, 501, 502 |  |  |  |
| Measures | Time problem | 709, 710, 711 |  |  |  |
| Area and volume | Compound shape | 555, 558, 582 |  |  |  |

**Statistics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Topics** | **Clip Number** | **R** | **A** | **G** |
| Pie chart | 427, 428, 429 |  |  |  |
| Range | 410, 414 |  |  |  |
| Mean | 405 – 408, 417 |  |  |  |

**Probability**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Topics** | **Clip Number** | **R** | **A** | **G** |
| Relative frequency | 356, 357 |  |  |  |
| Expected value | 355 |  |  |  |
| Tree diagram | 361, 362, 363 |  |  |  |