

Number

| | Topics | Clip Number | R | A | G |
|--|---|-----------------------------|---|---|---|
| Arithmetic | Four rules with integers | 18 – 23, 144, 145, 146 | | | |
| | Money calculations | 743 – 756 | | | |
| | Priority of operations | 24, 44, 120 | | | |
| | Inverse operations | 3, 6, 177 | | | |
| Whole number theory | Understand number definitions and terms | 25 | | | |
| | Prime numbers | 28 | | | |
| Fractions | Fraction, decimals and percentages | 52, 55, 74, 76, 82, 83, 149 | | | |
| | Fraction of a quantity | 77 | | | |
| Percentages | Percentages of quantities | 87 | | | |
| | Percentage change | 90, 91, 92, 94, 95, 97, 98 | | | |
| | Reverse percentages | 96 | | | |
| Ordering fractions, decimals and percentages | Listing in order | 46, 60 | | | |
| Calculator | Use of calculator | 129 | | | |
| Standard form | Standard form notation | 122, 123, 124 | | | |
| Approximation and estimation | Rounding | 17, 56, 130, 133 | | | |
| | Upper and lower bounds | 137, 138 | | | |

Ratio, proportion, and rate of change

| | Topics | Clip Number | R | A | G |
|-------------------------|--------------------|----------------------|---|---|---|
| Calculations with ratio | Share into a ratio | 332 – 335 | | | |
| | Use a ratio | 328 – 331, 335 – 338 | | | |

Algebra

| | Topics | Clip Number | R | A | G |
|-----------------------|-----------------------------------|---------------------|---|---|---|
| Algebraic expressions | Simplifying algebraic expressions | 156 – 159, 173, 174 | | | |
| | Factorising expressions | 168 – 171 | | | |
| Algebraic equations | Linear equations | 177 – 186, 189 | | | |
| Inequalities | Solving inequalities | 269 – 272 | | | |
| Language of functions | Function machines | 176, 177 | | | |
| Graphs | Quadratic graphs | 251 – 255 | | | |

Geometry and measures

| | Topics | Clip Number | R | A | G |
|--------------------------------------|---|----------------------|---|---|---|
| Conventions, notation and terms | Polygons | 822 | | | |
| Angles | Properties of parallel lines | 481 – 483 | | | |
| 3-dimensional solids | Properties of solids | 829, 830 | | | |
| Vectors | Column vectors | 623 – 626 | | | |
| Units of measurement | Time | 709 – 711 | | | |
| Compound units | Rates | 738 | | | |
| Area calculations | Area of a rectangle | 554 | | | |
| | Area of a circle | 539 – 543 | | | |
| | Area of composite shapes | 555, 558 | | | |
| Volume and surface area calculations | Volume including cylinder, pyramid and sphere | 568 – 578, 579 – 582 | | | |

Statistics

| | Topics | Clip Number | R | A | G |
|------------------------------------|---------------------------------|--------------------------------|---|---|---|
| Analysing data | Averages and range | 404 – 410, 413 – 417, 419, 420 | | | |
| | Scatter diagram and correlation | 453, 454 | | | |
| | Graphical misrepresentation | 425, 426, 429, 450 – 454 | | | |
| Interpreting and representing data | Frequency tree | 368, 369 | | | |