## Number

|  | Topics | Clip Number | R | A | G |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Arithmetic | Four operations | $\begin{gathered} 18-24,47-51 \\ 143-146 \end{gathered}$ |  |  |  |
|  | Negative number | 38-44 |  |  |  |
| Fractions | Fraction of an amount | 77 |  |  |  |
|  | One amount as a fraction of another | 62 |  |  |  |
|  | Equivalent fractions | 59, 61 |  |  |  |
| Properties | Factors | 27 |  |  |  |
|  | Lowest Common Multiple | 34, 35, 36 |  |  |  |
| Powers and roots | Square root | 101 |  |  |  |
| Approximation and Estimation | Rounding | 17, 56, 130, 133 |  |  |  |
| Other | Calculator use | 129 |  |  |  |

## Algebra

|  | Topics | Clip Number | R | A | G |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Manipulation | Simplification | 156-159, 173, 174 |  |  |  |
|  | Expansion of bracket | 160, 161 |  |  |  |
|  | Factorisation | 168-171, 223, 224 |  |  |  |
|  | Substitute values | 155, 278, $780-783$ |  |  |  |
|  | Change subject of a formula | 280-287 |  |  |  |
|  | Forming an expression | 151, 152, 153 |  |  |  |
| Equations and inequalities | Linear equation | 177-186, 188, 189 |  |  |  |
|  | Form an equation | 176 |  |  |  |
| Sequences | Linear sequence | 196, 197, 198 |  |  |  |

## Ratio, proportion, and rates of change

|  | Topics | Clip Number | R | A | G |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Conversion | Time | 709, 710, 711 |  |  |  |
|  | Compound units | 724, 731, 737, 738 |  |  |  |
|  | Scale drawings | 864-871 |  |  |  |
| Percentages | Percentage to fraction | 82 |  |  |  |
|  | One quantity as a percentage of another | 62, 76 |  |  |  |
|  | Percentage increase | 90, 91, 92, 94, 97, 98 |  |  |  |
|  | Reverse percentage | 96 |  |  |  |
| Ratio | Write as a ratio | 328, 329 |  |  |  |
|  | 1:n form | 331 |  |  |  |
| Proportion | Direct proportion | $\begin{gathered} 339,340,341,343,344 \\ 345,348,739-742 \\ \hline \end{gathered}$ |  |  |  |


| Compound Measures | Average speed | $722,876,877$ |  |  |
| :--- | :--- | :--- | :--- | :--- |

## Geometry and measures

|  | Topics | Clip Number | R | A | G |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Shape | Triangle properties | 823 |  |  |  |
|  | Quadrilaterals | 824, 825, 826 |  |  |  |
|  | Triangular prism | 829, 830 |  |  |  |
| Angles | Angle properties of parallel lines | 481, 482, 483, 490, 491 |  |  |  |
|  | Angles in a triangle | 484-491 |  |  |  |
|  | Vertically opposite angles | 480 |  |  |  |
|  | Bearings | 492-496, 869 |  |  |  |
| Length, area, and volume | Area of a triangle | 557, 558 |  |  |  |
|  | Area of a trapezium | 559 |  |  |  |
| Pythagoras's Theorem and Trigonometry | Pythagoras's Theorem | 498, 499, 501, 502 |  |  |  |

## Probability

|  | Topics | Clip Number | R | A | $\mathbf{G}$ |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Probability | Probability scale | 349,350 |  |  |  |
|  | Probability | $351-363$ |  |  |  |

## Statistics

|  | Topics | Clip Number | R | A | $\mathbf{G}$ |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Diagrams | Frequency polygon | 441 |  |  |  |
| Measures | Median | $409,416,419,420$ |  |  |  |
|  | Range | $410,414,419,420$ |  |  |  |
| Population | Comparison of distributions | 432,433 |  |  |  |

