| Number | Topics | Topic Code | R | A | G |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Arithmetic | Four operations | U417, U478, U735, U127, U293, U453, U868, U976 |  |  |  |
|  | Negative number | U947, U742, U548 |  |  |  |
| Fractions | Fraction of an amount | U916 |  |  |  |
|  | One amount as a fraction of another | U916 |  |  |  |
|  | Equivalent fractions | U704 |  |  |  |
| Properties | Factors | U211, U529 |  |  |  |
|  | Lowest Common Multiple | U751, U250 |  |  |  |
| Powers and roots | Square root | U851 |  |  |  |
| Approximation and Estimation | Rounding | U480, U298, U731, U965 |  |  |  |
| Other | Calculator use | U926 |  |  |  |
| Algebra | Topics | Topic Code | R | A | G |
| Manipulation | Simplification | U105, U662 |  |  |  |
|  | Expansion of bracket | U179, U768 |  |  |  |
|  | Factorisation | U365, U178 |  |  |  |
|  | Substitute values | U201, U585, U144 |  |  |  |
|  | Change subject of a formula | U556 |  |  |  |
|  | Forming an expression | U613 |  |  |  |
| Equations and inequalities | Linear equation | U755, U325, U870 |  |  |  |
|  | Form an equation | U599 |  |  |  |
| Sequences | Linear sequence | U213, U530, U498, U978 |  |  |  |


| Ratio, proportion, and rates of change | Topics | Topic Code | R | A | G |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Conversions | Time | U902 |  |  |  |
|  | Compound units | U151, U256, U910, U527 |  |  |  |
|  | Scale drawing | U257 |  |  |  |
| Percentages | Percentage to fraction | U888 |  |  |  |
|  | One quantity as a percentage of another | U349 |  |  |  |
|  | Percentage decrease | U671, U278 |  |  |  |
|  | Reverse percentage | U286 |  |  |  |
| Ratio | Write as a ratio | U687 |  |  |  |
|  | 1 : $n$ form | U687 |  |  |  |
| Proportion | Direct proportion | U721, U640, U238 |  |  |  |
| Compound measures | Average speed | U151, U462 |  |  |  |


| Geometry and measures | Topics | Topic Code | R | A | G |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Shape | Triangle properties | U121 |  |  |  |
|  | Quadrilaterals | U121 |  |  |  |
|  | Triangular prism | U719 |  |  |  |
| Angles | Angle properties of parallel lines | U826 |  |  |  |
|  | Angles in a triangle | U628 |  |  |  |
|  | Vertically opposite angles | U730 |  |  |  |
|  | Bearings | U525, U107 |  |  |  |
| Length, area, and volume | Area of a triangle | U945, U343 |  |  |  |
|  | Area of a trapezium | U265 U343 |  |  |  |
| Pythagoras's Theorem and Trigonometry | Pythagoras's Theorem | U385 |  |  |  |


| Probability | Topics | Topic Code | R | A | G |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Probability | Probability scale | U803, U408, U510 |  |  |  |
|  | Probability | U803, U408, U510, |  |  |  |
|  |  | U683, U166, U580 |  |  |  |


| Statistics | Topics | Topic Code | R | A | G |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Diagrams | Frequency polygon | U840 |  |  |  |
| Measures | Median | U456 |  |  |  |
|  | Range | U526 |  |  |  |
| Population | Comparison of <br> distributions | U520 |  |  |  |

