

# Calculator Comparison



|                     |  | fx-83GTX   | fx-83GT PLUS | fx-85GTX   | fx-85GT PLUS |
|---------------------|--|------------|--------------|------------|--------------|
| Syllabus            | GCSE / National and Highers / Junior and Leaving Certificate                       | ✓          | ✓            | ✓          | ✓            |
|                     | Permitted in relevant exams  | ✓          | ✓            | ✓          | ✓            |
| Display & Operation | Power  | Battery    | Battery      | 2way       | 2way         |
|                     | Resolution   | Hi-Res B&W | Lo-Res B&W   | Hi-Res B&W | Lo-Res B&W   |
|                     | High speed processing  | ✓          | ✗            | ✓          | ✗            |
|                     | Natural textbook display   | ✓          | ✓            | ✓          | ✓            |
|                     | Menu operation   | ✓          | ✗            | ✓          | ✗            |
|                     | Digit separator (integer groups of 3)  | ✓          | ✗            | ✓          | ✗            |
|                     | Standard form, engineering notation  | ✓          | ✓            | ✓          | ✓            |
| Calculation         | Casio input logic  | ✓          | ✓            | ✓          | ✓            |
|                     | Casio operation logic  | ✓          | ✓            | ✓          | ✓            |
|                     | Rounding – floating, decimal places, significant figures                           | ✓          | ✓            | ✓          | ✓            |
|                     | Recurring decimal  | ✓          | ✓            | ✓          | ✓            |
|                     | Fraction $\leftrightarrow$ recurring, decimal $\leftrightarrow$ decimal conversion | ✓          | ✓            | ✓          | ✓            |
|                     | Number of variable stores  | 8          | 8            | 8          | 8            |
|                     | List of variable stored values   | ✓          | ✗            | ✓          | ✗            |
|                     | Prime factors  | ✓          | ✓            | ✓          | ✓            |
|                     | Trigonometric functions  | ✓          | ✓            | ✓          | ✓            |
|                     | Factorial, nCr, nPr  | ✓          | ✓            | ✓          | ✓            |
|                     | Random number, random integer  | ✓          | ✓            | ✓          | ✓            |
|                     | Logarithmic & exponential functions  | ✓          | ✓            | ✓          | ✓            |
|                     | Hyperbolic functions   | ✓          | ✓            | ✓          | ✓            |
|                     | Polar $\leftrightarrow$ rectangular coordinate conversion                          | ✓          | ✓            | ✓          | ✓            |
| Statistics          | Mean   | ✓          | ✓            | ✓          | ✓            |
|                     | Standard deviation   | ✓          | ✓            | ✓          | ✓            |
|                     | Quartiles  | ✓          | ✗            | ✓          | ✗            |
|                     | Regression (7 types)   | ✓          | ✓            | ✓          | ✓            |
|                     | Scrolling statistics list  | ✓          | ✗            | ✓          | ✗            |
|                     | Row capacity (1 variable / 2 variables)  | 160/80     | 80/40        | 160/80     | 80/40        |
| Table               | Number of functions  | 2          | 1            | 2          | 1            |
|                     | Continue table automatically   | ✓          | ✗            | ✓          | ✗            |
|                     | x-value direct input   | ✓          | ✗            | ✓          | ✗            |
| Ratio               | Equivalent ratios  | ✓          | ✗            | ✓          | ✗            |