

* When multiples of the same data are input, two different entry methods are possible.

Example 1 Date: 10, 20, 30
Key operation: 10 [10] 20 [20] 30 [30]

The previously entered data is entered again each time the [10] is pressed without entering data (in this case 20 is re-entered).

Example 2 Date: 10, 20, 20, 20, 20, 20, 30
Key operation: 10 [10] 20 [20] 20 [20] 20 [20] 20 [20] 30 [30]

By pressing [20] and then entering a semicolon followed by a value that represents the number of items the data is repeated (6, in this case) and the [20] key, the multiple data entries (for 20, in this case) are made automatically.

Deleting input data

There are various ways to delete value data, depending on how and where it was entered.

Example 1 40 [40] 20 [20] 30 [30] 50 [50]
To delete 20, press 20 [DEL]

Example 2 40 [40] 20 [20] 30 [30] 50 [50]
To delete 20, press 20 [DEL]

Example 3 30 [30] 50 [50] 20 [20] 50 [50]
To delete 20, press 20 [DEL]

Example 4 30 [30] 50 [50] 20 [20] 50 [50] 31 [31]
To delete 20, press 20 [DEL]

Example 5 30 [30] 50 [50] 20 [20] 50 [50] 31 [31]
To delete 20, press 20 [DEL]

Example 6 50 [50] 120 [120] 50 [50] 31 [31] 40 [40] 30 [30]
To delete 120, press 120 [DEL]

Example 7 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 8 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Performing calculations

The following procedures are used to perform the various standard deviation calculations.

| Key operation | Result |
|---------------|---|
| [SD] | Population standard deviation, σ_n |
| [SD] | Sample standard deviation, σ_{n-1} |
| [M] | Mean, \bar{x} |
| [V] | Sum of square of data, $\sum x^2$ |
| [V] | Sum of data, $\sum x$ |
| [n] | Number of data, n |

Standard deviation and mean calculations are performed as shown below:

Population standard deviation $\sigma_n = \sqrt{(\sum x^2 - (\sum x)^2/n)}$ where $1 = 1$ to n
Sample standard deviation $\sigma_{n-1} = \sqrt{(\sum x^2 - (\sum x)^2/(n-1))}$ where $1 = 1$ to n
Mean $\bar{x} = \sum x / n$

| Example | Operation | Display |
|---------|---------------|-----------|
| 1 | 1 110 10 [SD] | 150 |
| 2 | 2 130 31 [SD] | 170 |
| 3 | 3 150 24 [SD] | 190 |
| 4 | 4 170 2 [SD] | 70 |
| 5 | 5 190 3 [SD] | 117.42457 |

Example 5 30 [30] 50 [50] 20 [20] 50 [50] 31 [31]
To delete 120, press 120 [DEL]

Example 6 50 [50] 120 [120] 50 [50] 31 [31] 40 [40] 30 [30]
To delete 120, press 120 [DEL]

Example 7 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 8 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

| Example | Operation | Display |
|---------|-------------|-------------|
| 1 | 1.316956719 | 1.316956719 |
| 2 | 1.40788953 | 1.40788953 |
| 3 | 8 | 8 |
| 4 | 427 | 427 |
| 5 | 22865 | 22865 |
| 6 | 1.625 | 1.625 |
| 7 | 0.625 | 0.625 |
| 8 | -2.375 | -2.375 |

Example 5 30 [30] 50 [50] 20 [20] 50 [50] 31 [31]
To delete 120, press 120 [DEL]

Example 6 50 [50] 120 [120] 50 [50] 31 [31] 40 [40] 30 [30]
To delete 120, press 120 [DEL]

Example 7 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 8 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Regression calculation

In the REG mode, calculations including linear regression, logarithmic regression, exponential regression, power regression, quadratic regression and inverse regression can be performed.

i. Linear regression

Linear regression calculations are carried out using the following formula: $y = A + Bx$

Data input

- Press [MODE] [1] to specify the REG mode.
- Press [SHIFT] [DEL] to clear the statistical memories.
- Input data in the following format: <data> [1] <y data> [2]

* When multiples of the same data are input, two different entry methods are possible.

Example 1 Date: 10, 20, 20, 30, 30, 40, 50
Key operation: 10 [10] 20 [20] 20 [20] 30 [30] 40 [40] 50 [50]

The previously entered data is entered again each time the [10] key is pressed (in this case 20/30 is re-entered).

Example 2 Date: 10, 20, 20, 30, 30, 20, 30, 20, 30, 40, 50
Key operation: 10 [10] 20 [20] 20 [20] 30 [30] 20 [20] 30 [30] 40 [40] 50 [50]

By pressing [20] and then entering a semicolon followed by a value that represents the number of times the data is repeated (5, in this case) and the [20] key, the multiple data entries (for 20/30, in this case) are made automatically.

Example 3 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 4 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 5 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 6 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 7 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 8 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 9 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 10 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 11 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 12 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 13 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 14 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 15 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 16 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 17 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 18 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 19 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 20 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 21 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 22 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 23 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 24 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 25 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 26 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 27 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 28 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 29 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 30 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 31 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 32 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Example 33 10 [10] 20 [20] 20 [20] 30 [30]
To delete 20, press 20 [DEL]

Key Operations to recall regression calculation results

Example 1 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 2 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 3 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 4 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 5 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 6 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 7 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 8 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 9 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 10 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 11 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 12 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 13 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 14 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 15 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 16 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 17 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 18 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 19 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 20 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 21 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 22 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 23 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 24 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 25 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 26 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 27 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 28 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 29 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 30 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 31 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 32 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 33 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 34 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 35 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 36 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 37 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 38 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 39 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 40 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 41 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 42 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 43 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 44 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 45 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 46 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 47 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 48 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 49 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 50 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 51 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 52 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 53 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 54 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 55 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

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To delete 40, press 40 [DEL]

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To delete 40, press 40 [DEL]

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To delete 40, press 40 [DEL]

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To delete 40, press 40 [DEL]

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Example 61 10 [10] 20 [20] 30 [30]
To delete 40, press 40 [DEL]

Example 62 10 [10] 20 [20] 30 [30]
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Example 63 10 [10] 20 [20] 30 [30]
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Example 70 10 [10] 20 [20] 30 [30]
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Example 74 10 [10] 20 [20] 30 [30]
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To delete 40, press 40 [DEL]

Example 76 10 [10] 20 [20] 30 [30]
To delete