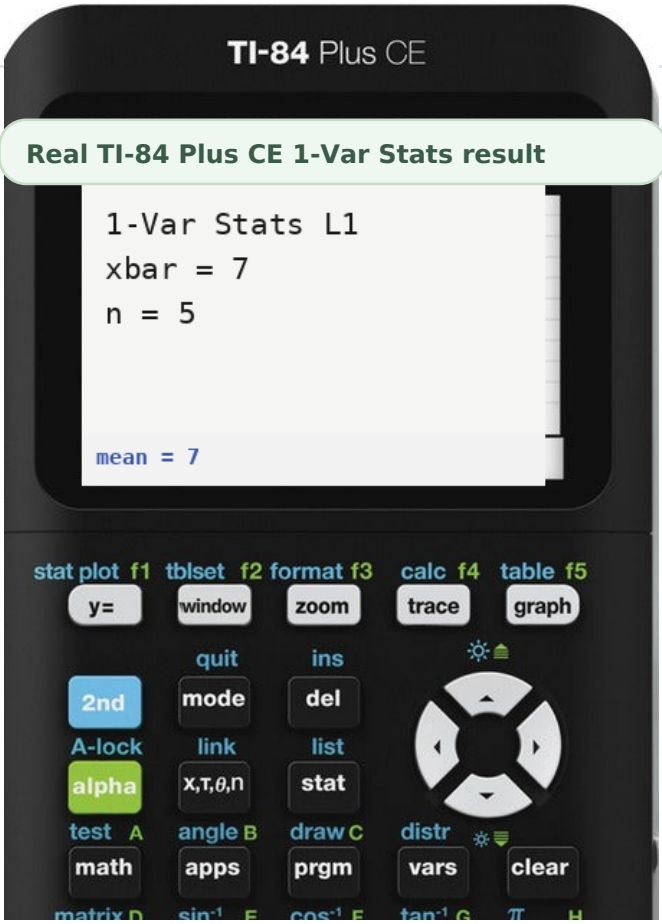
5. Statistics and lists

School-poster style • Mean of 4, 6, 6, 8, 11

C4C POSTER



Real TI-84 Plus CE 1-Var Stats result

What students should notic

- STAT opens data and calculation tools.
- EDIT is where values are entered into L1.
- 1-Var Stats summarizes one list of data.

Teacher talk

Ask students to estimate the mean before calculating. Is 7 a reasonable center for these five values?

Expected result

The calculator should report $\bar{x} = 7$ for the five values in L1.

Key sequence STAT → EDIT → STAT → CALC → 1-Var Stats

Open STAT EDIT

STAT → EDIT

Choose the list editor.

Enter the data

Type 4, 6, 6, 8, 11 in L1.

Open STAT CALC

STAT → CALC

Return to STAT and choose CALC.

Run 1-Var Stats

1-Var Stats

Choose 1-Var Stats and read $\bar{x} = 7$.

Statistics and lists: classroom support

Key-by-key reminder, common mistakes, and a student challenge

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Key-by-key reminder

STAT
Open statistics tools.

EDIT
Enter values into a list.

CALC
Open statistical calculations.

1-Var Stats
Summarize one data list.

DEL
Remove a selected list value.

CLEAR
Clear an entry carefully.

5-minute classroom routine

1. Estimate the center of the list.
2. Enter the data in L1.
3. Run 1-Var Stats.
4. Find $\bar{x}$.
5. Compare the calculated mean with the estimate.

Common mistakes to watch

- Entering some values in L1 and others in another list.
- Running 1-Var Stats on the wrong list.
- Different list lengths causing INVALID DIM with an active stat plot.

Student challenge / exit ticket

Try one of these follow-up tasks:

2, 4, 6, 8

10, 10, 12, 14

3, 5, 5, 7, 10

Estimate each mean, then use 1-Var Stats to check.