

## Mean for Grouped Data Solutions

*TI-84 Plus CE and Mean*

Compute the mean for the following Grouped Data. Approximate your answer to the nearest tenths.

### 1. How old are you?

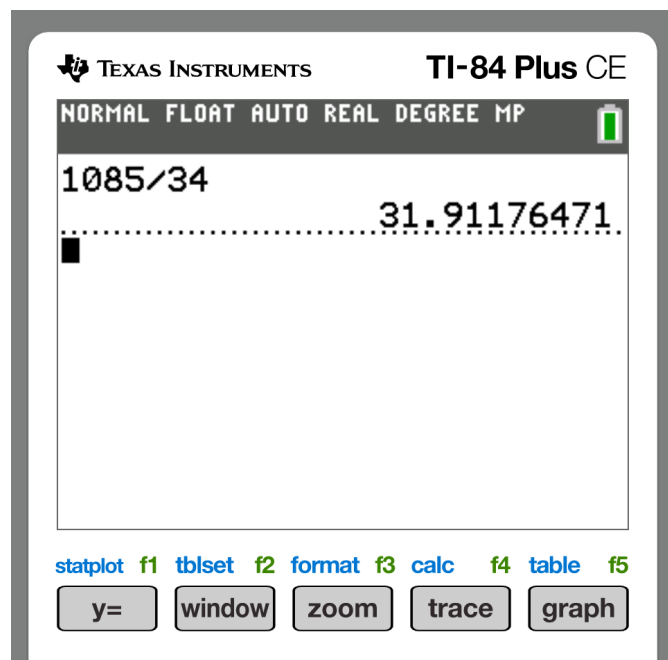
The following sample data table illustrates the ages (years) of students in a Statistics class.

Years	f	m	fm
23 to 27	8	25	200
28 to 32	10	30	300
33 to 37	12	35	420
38 to 42	3	40	120
43 to 47	1	45	45

Total

34

1085



$\approx 31.9$  years

**2. How many semesters did it take for you to transfer?**

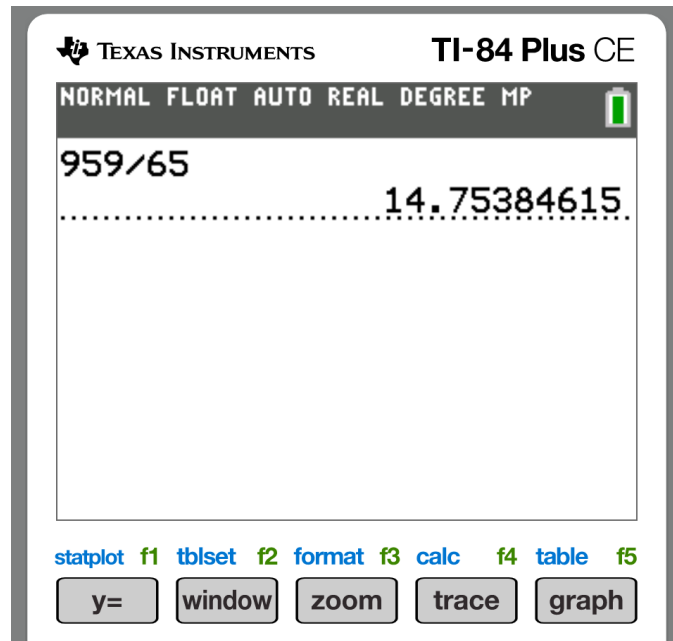
The following sample data illustrates the number of semesters it took for students to transfer from a Community College.

Semesters	f	m	fm
6 to 8	4	7	28
9 to 11	6	10	60
12 to 14	18	13	234
15 to 17	22	16	352
18 to 20	15	19	285

Total

65

959



≈ 14.8 semesters



**4. How much sleep do you get during the weeknight?**

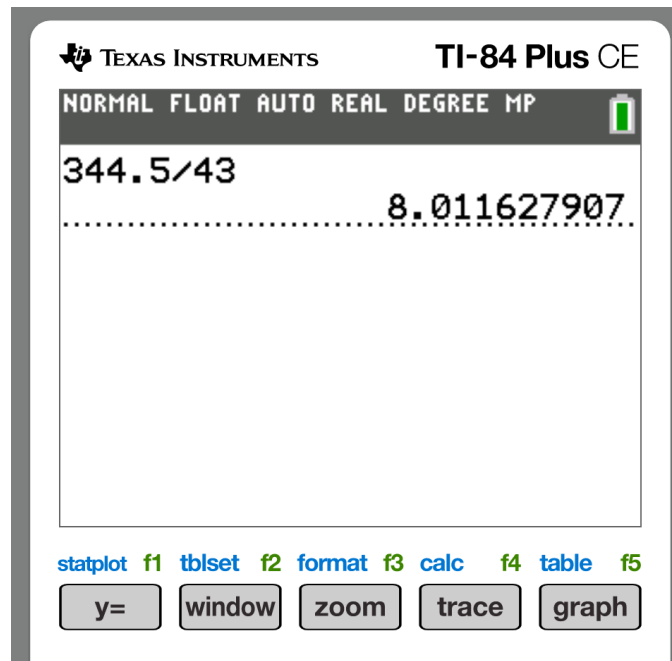
The following data illustrates the amount of time (hours) students sleep during a weeknight.

Hours	f	m	fm
0 to 3	9	1.5	13.5
4 to 7	11	5.5	60.5
8 to 11	10	9.5	95
12 to 15	13	13.5	175.5

**Total**

**43**

**344.5**



**≈ 8.0 hours**

**5. How fast do you drive on the freeway?**

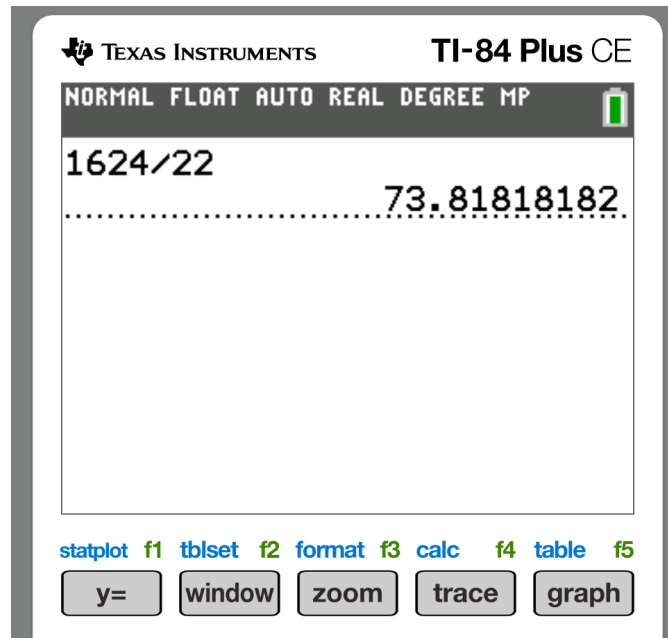
The following sample data illustrates the speed (M.P.H) of cars on the freeway.

MPH	f	m	fm
65 to 69	5	67	335
70 to 74	8	72	576
75 to 79	6	77	462
80 to 84	2	82	164
85 to 89	1	87	87

Total

22

1624



≈ 73.8 mph

## Answers

1. 31.9 years
2. 14.8 semesters
3. 31.3 months
4. 8.0 hours
5. 73.8 MPH