

Try This! In 2009, an engineer named Takuo Toda set a world record for flight time for a paper airplane. His plane flew for 27.9 sec. If Toda's time was included in Kara's set of times, what would the median be?

Share and Show



- ✓ 1. Terrence records the number of e-mails he receives per day. During one week, he receives 7, 3, 10, 5, 5, 6, and 6 e-mails. What are the mean, median, mode, and range of the data?

Mean = _____ Median = _____ Mode(s) = _____ Range = _____

- ✓ 2. Iva goes to several grocery stores and researches the price of a 12 oz bottle of juice. Find the mean, median, mode, and range of the prices shown.

Juice Prices		
\$0.95	\$1.09	\$0.99
\$1.25	\$0.99	\$1.99

Mean = _____ Median = _____ Mode(s) = _____ Range = _____

**Math
Talk**

**MTR
4.1**

Engage in discussions on mathematical thinking.

Explain how you can find the median of a set of data with an even number of values.

On Your Own

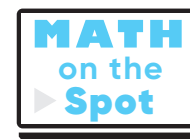
3. T.J. is training for the 200-meter dash event for his school's track team. Find the mean, median, mode, and range of the times shown in the table.

T.J.'s Times (sec)		
22.3	22.4	23.3
24.5	22.5	

Mean = _____ Median = _____ Mode(s) = _____ Range = _____

4. In the last six months, Cho's family used 456, 398, 655, 508, 1,186, and 625 minutes on their cell phone plan. In an effort to spend less time on the phone each month, Cho's family wants to try and keep the mean cell phone usage at 600 minutes or less. Over the last 6 months, by how many minutes did the mean number of minutes exceed their goal?
- _____

Problem Solving · Applications



5. Jeremy scored 85, 90, 72, 88, and 92 on five math tests, for a mean of 85.4. On the sixth test he scored a 95. He calculates his mean score for all 6 tests as shown below, but Deronda says he is incorrect. Whose answer makes sense? Whose answer is nonsense? Explain your reasoning.

Jeremy's Work

The mean of my first 5 test scores was 85.4, so to find the mean of all 6 test scores, I just need to find the mean of 85.4 and 95.

$$\text{Mean} = \frac{85.4 + 95}{2} = \frac{180.4}{2} = 90.2$$

So, my mean score for all 6 tests is 90.2.

Deronda's Work

To find the mean of all 6 test scores, you need to add up all 6 scores and divide by 6.

$$\begin{aligned} \text{Mean} &= \frac{85 + 90 + 72 + 88 + 92 + 95}{6} \\ &= \frac{522}{6} = 87 \end{aligned}$$

So, Jeremy's mean score for all 6 tests is 87.

6. Alex took a standardized test 4 times. His test scores were 16, 28, 24, and 32.

The mean of the test scores is

- 24.
- 25.
- 26.

The median of the test scores is

- 24.
- 26.
- 28.

The mode of the test scores is

- 16.
- 32.
- no mode.