Printable Worksheets from sofatutor.com

Mean, Median, Mode, Range

	Highest Value	Lowest Value	Range
GERMANY	90	25	$90 - 25 = 65$
USA	63	24	$63 - 24 = 39$
CANADA	43	3	$43 - 3 = 40$

(1) **Explain how to calculate the mean.**

(2) Determine the information that the table shows.

(3) Explain how to find the median, mode, and range of a data set.

(4) Determine the mean and the median of the data set.

(5) Calculate the mean, median, mode, and range of the given data set.

(6) Determine the mean, median, and range of the following data sets.

(+) with lots of tips, answer keys, and detailed answer explanations for all of the problems.

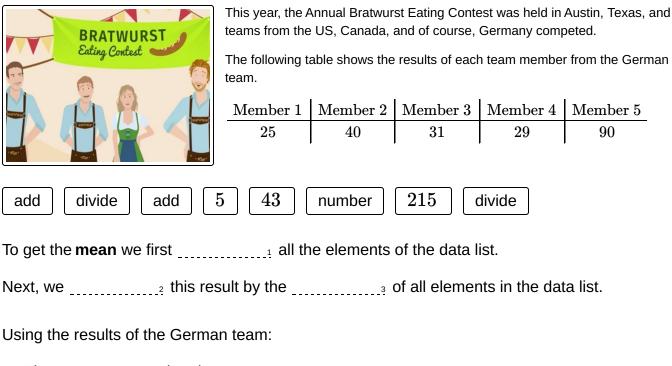⚠ The complete package, **including all problems, hints, answers, and detailed answer explanations** is available for all sofatutor.com subscribers.

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Worksheet: Mean, Median, Mode, Range
Mathematics / Algebra 1 / Statistics: Data Distribution / Mean, Median, Mode, Range

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Explain how to calculate the mean.

Fill in the blanks.

This year, the Annual Bratwurst Eating Contest was held in Austin, Texas, and teams from the US, Canada, and of course, Germany competed.

The following table shows the results of each team member from the German team.

Member 1	Member 2	Member 3	Member 4	Member 5
25	40	31	29	90

add	divide	add	5	43	number	215	divide

To get the **mean** we first _____₁ all the elements of the data list.

Next, we _____₂ this result by the _____₃ of all elements in the data list.

Using the results of the German team:

- First _____₄ the elements to get _____₅ .

- Next _____₆ it by _____₇ to get the mean of _____₈ .

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Hints for solving these problems

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Explain how to calculate the mean.

Hint #1

The mean is also known as the average.

Hint #2

For example the average, also known as mean, of 10 and 12 is given by $\frac{10+12}{2} = \frac{22}{2} = 11$.

Hint #3

If you multiply the mean by the number of all elements you get the total sum of all the bratwursts eaten.

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Answers and detailed answer explanations for these problems

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Explain how to calculate the mean.

Answer key: 1: add // 2: divide // 3: number // 4: add // 5: 215 // 6: divide // 7: 5 // 8: 43

The **mean** of a data set is the sum of all elements of the set divided by the total number of the elements. It's also known as the average.

Using the results of the German team:

Member 1	Member 2	Member 3	Member 4	Member 5
25	40	31	29	90

- We first add all numbers of bratwursts: $25 + 40 + 31 + 29 + 90 = 215$.
- Next we divide this sum by 5, the number of all elements. This gives us the mean $\frac{215}{5} = 43$.

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