

LESSON 29: Measures of Center and Variability with Dot Plots

Homework

Name _____ Date _____

Directions: Complete the SOLVE problem below to determine the MAD of the data set from Problem 1 in the Warm-up.

Jessica was trying to determine the average number of texts she sent and received per day over a two-week period. Below is a list of the number of text messages each day for 14 days. What is the mean absolute deviation (MAD) of the data? (Round the MAD to the hundredths.)

60, 80, 70, 80, 60, 75, 65, 75, 70, 75, 80, 70, 65, 83

S Underline the question.
This problem is asking me to find _____
_____.

O Identify the facts.
Eliminate the unnecessary facts.
List the necessary facts.

L Write in words what your plan of action will be.
●
●
●

Choose an operation or operations.

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V Estimate your answer.
Carry out your plan.

Data Value	Deviation from Mean	Absolute Deviation	Number of Data values	Absolute Deviation for values
Total of absolute deviation values				
MAD (mean absolute deviation)				

E Does your answer make sense? (Compare your answer to the question.)

Is your answer reasonable? (Compare your answer to the estimate.)

Is your answer accurate? (Check your work.)

Write your answer in a complete sentence.