

LESSON 35: Summarizing Numerical Data

Here is the key to **S453**.

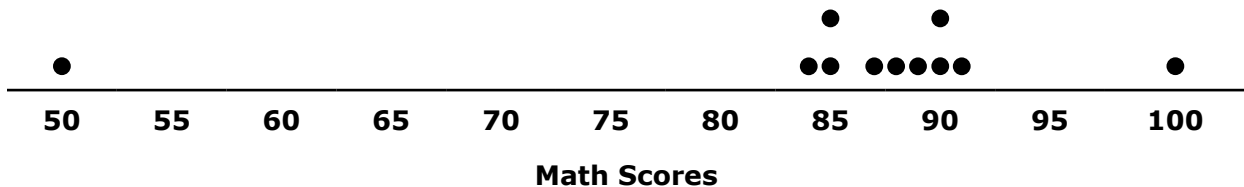
Homework

Name _____ Date _____

Directions:

Ms. Martina recorded math scores of 90, 88, 85, 84, 91, 100, 87, 89, 85, 50, and 90 | for one of her students on a test yesterday. | What is the median and mean of the data set? | Draw a dot plot to solve.

- S** Underline the question.
This problem is asking me to find **the mean and median of the data set.**
- O** Identify the facts.
Eliminate the unnecessary facts.
List the necessary facts. **Math scores, draw a dot plot**
- L** Write in words what your plan of action will be.
Create a dot plot to show the data.
Median: Put the scores in order from least to greatest. Find the middle value.
Mean: Find the sum of the data values and divide by the number of data values.
Choose an operation or operations. **Addition, division**
- V** Estimate your answer. **Median: about 87%** **Mean: about 80%**
Carry out your plan.
 $50 + 84 + 85 + 85 + 87 + 88 + 89 + 90 + 90 + 91 + 100 = 939 \div 11$
is $\sim 85.36\%$
The median is 88%.



- E** Does your answer make sense? (Compare your answer to the question.) **Yes, because I was looking for the median and mean.**
Is your answer reasonable? (Compare your answer to the estimate.) **Yes, because my answers are close to my estimates.**
Is your answer accurate? (Check your work.) **Yes.**
Write your answer in a complete sentence. **The median is 88%, and the mean is about 85.36%.**