Name _____ Date _____ Period _____

LESSON 2-10 · WARM-UP

Warm-Up Practice

Choose Appropriate Measures

THE MOVE

what this page practices

Find the mean and the median of the same short list

Median: order the values and take the middle. Mean: add them and divide by how many there are. Do both to the same list so you can compare them.

Spot the value far from the rest, and say which measure it moves

One very large or very small value drags the mean toward itself. The median barely moves, because it only cares about position.

WORKED MODEL

we do this one together

Step 1	Data: 2, 3, 3, 4, 50
Step 2	Median: the middle of the five values is _____
Step 3	Mean: (2 + 3 + 3 + 4 + 50) ÷ 5 = 62 ÷ 5 = _____
Step 4	The 50 is far from the rest, so it pulls up the _____. The median fits the center better.

YOUR TURN

8 items · about 10 minutes

1. Data: 1, 2, 2, 3, 42. Find the median and the mean.
ANSWER _____

2. Data: 5, 6, 6, 7, 61. Find the median and the mean.
ANSWER _____

3. Data: 10, 12, 14, 16, 18. Find the median and the mean.
ANSWER _____

4. Which value sits far from the rest: 44, 46, 47, 48, 100? _____
ANSWER _____

5. Data: 8, 9, 10, 11, 92. Which fits the center better, the mean or the median? _____
ANSWER _____

6. Data: 20, 22, 24, 26, 28. Which fits the center better, the mean or the median? _____
ANSWER _____

7. Data: 4, 5, 6, 7, 8 has a mean of 6. Change the 8 to 38. What is the new mean, and does the median change?
ANSWER _____

8. Ten homes sold for these prices in thousands of dollars: 180, 190, 195, 200, 205, 210, 215, 220, 230, 1,000. Which measure of center should you report, and why?
ANSWER _____