

## Week 16

State Standards – 10.8.05

1. Below are Matt's test scores.

|                            |    |    |    |    |    |    |    |    |    |    |
|----------------------------|----|----|----|----|----|----|----|----|----|----|
| 1 <sup>st</sup><br>Quarter | 83 | 86 | 88 | 97 | 92 | 88 | 77 | 88 | 90 | 95 |
| 2 <sup>nd</sup><br>Quarter | 77 | 84 | 83 | 89 | 93 | 96 | 99 | 96 | 87 | 86 |

Which statement is true about the data?

- A. The 1<sup>st</sup> quarter mean score is higher than the 2<sup>nd</sup>.
  - B. The 1<sup>st</sup> quarter mode score is higher than the 2<sup>nd</sup>.
  - C. The 2<sup>nd</sup> quarter mean score is higher than the 1<sup>st</sup>.
  - D. The mean of each quarter's scores are equal.
2. The Wildcats average score for three basketball games is 76. They scored 70 in their first game and 84 in their second game. What score did they have in their third game?
3. During the first five days in March, the temperatures in Amesville were 34°, -3°, -23°, 12°, and -15° Fahrenheit. Find the range, mean, median, and mode.

4. The table shows how far Sandy swam during a week's practice. Some of the distances are illegible because the paper got wet.

| <b>Day of the Week</b> | <b>Number of Laps</b> |
|------------------------|-----------------------|
| Sunday                 | 14 laps               |
| Monday                 | 17 laps               |
| Tuesday                | ?                     |
| Wednesday              | 13 laps               |
| Thursday               | 15 laps               |
| Friday                 | ?                     |
| Saturday               | 8 laps                |

The mode of the data was 12 laps. What was the median number of laps? What was the mean number of laps?

5. At the bowling alley, Jenika bowls scores of 126, 145, and 133. What score must she get in her next game to have an average score of 140 for the four games?