Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_\_\_\_\_\_\_

SOL 8.13 - Histograms

Use the histograms below to answer the following questions.

1) How many students took the first quiz? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) How many students took the second quiz? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Is it possible to determine the highest score on the 1st math quiz? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explain.

4) On which quiz did 10 students score between 90 and 99? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Make an inference. Do you think the students studied more for the 1st quiz or the 2nd quiz? Explain. Use the data to justify your answer.

6) Make a prediction. Mary studied for 10 minutes for the 1st quiz and scored a 77. She studied for 20 minutes for the 2nd quiz and scored an 85. She plans to study for 30 minutes for the next quiz. Predict the range in which her grade will fall. Explain. Use the histograms to justify your answer.