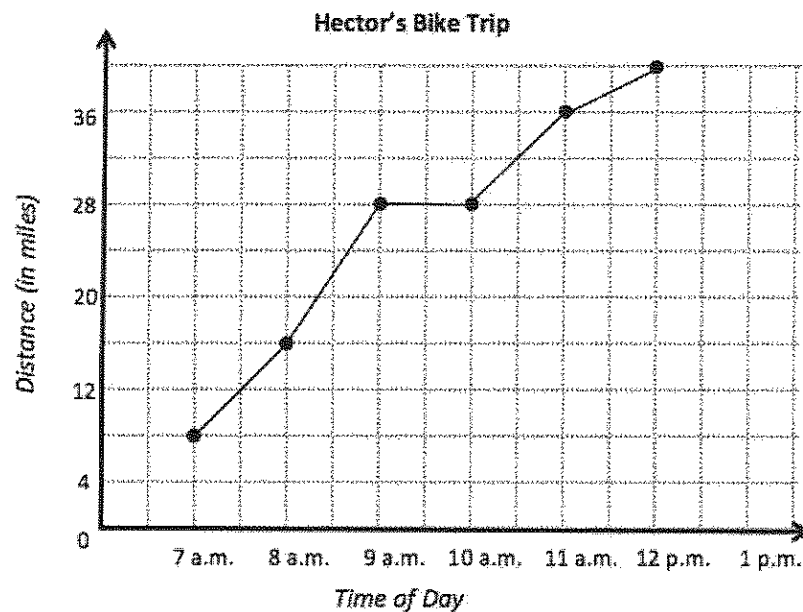# G5-M6-Lesson 20

Use the graph to answer the questions.

Hector left his home at 6:00 a.m. to train for a bicycle race. He used his GPS watch to keep track of the number of miles he traveled at the end of each hour of his trip. He uploaded the data to his computer, which gave him the line graph below:

Hector's Bike Trip

> Even though the line does not start at 0, I know that he started at 6:00 a.m., so he had traveled 0 miles at that point.

a. How far did Hector travel in all? How long did it take?

Hector traveled 40 miles in 6 hours.

> Hector started at 6:00 a.m. and stopped at noon. That's 6 hours.

> The last data point at 12:00 p.m. shows 40 miles.

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b. Hector took a one-hour break to have a snack and take some pictures. What time did he stop? How do you know?

Hector took his break from 9 a.m. to 10 a.m. The horizontal line at this time tells me that Hector's distance did not change; therefore, he wasn't biking for that hour.

c. During which hour did Hector ride the slowest?

Hector's slowest hour was his last one between 11:00 a.m. and noon. He only rode 4 miles in that last hour whereas in the other hours he rode at least 8 miles (except when he took his break).

I also know I can look at how steep the line is between two points to help me know how fast or slow Hector rode. The line is not very steep between 11:00 a.m and noon, so I know that was his slowest hour.