To Grandmother’s House We Go

Eddie and Joanne are on a trip to see their grandmother. The graph below shows the distance that they have traveled, and the time it has taken them to drive that distance. They still have a way to go.

1. On average, how many miles per hour is the car traveling?

2. If it takes 8 hours at this speed to get to Grandmother’s house, how many miles away is her house from Eddie and Joanne’s home?

3. If Grandmother’s house is 495 miles away, how long will it take to get there?

4. Instead of driving at the speed in the graph, Joanne drives at a different rate of speed. Choose a reasonable speed and create a graph based on that speed. Then give your paper to a partner and ask each other questions about the distance traveled and the time it takes based on your graphs.
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Eddie and Joanne are on a trip to see their grandmother. The graph below shows the distance that they have traveled, and the time it has taken them to drive that distance. They still have a way to go.

1. On average, how many miles per hour is the car traveling?

45 miles per hour

2. If it takes 8 hours at this speed to get to Grandmother’s house, how many miles away is her house from Eddie and Joanne’s home?

360 miles

3. If Grandmother’s house is 495 miles away, how long will it take to get there?

11 hours

4. Instead of driving at the speed in the graph, Joanne drives at a different rate of speed. Choose a reasonable speed and create a graph based on that speed. Then give your paper to a partner and ask each other questions about the distance traveled and the time it takes based on your graphs.

Answers will vary. Check students’ graphs.