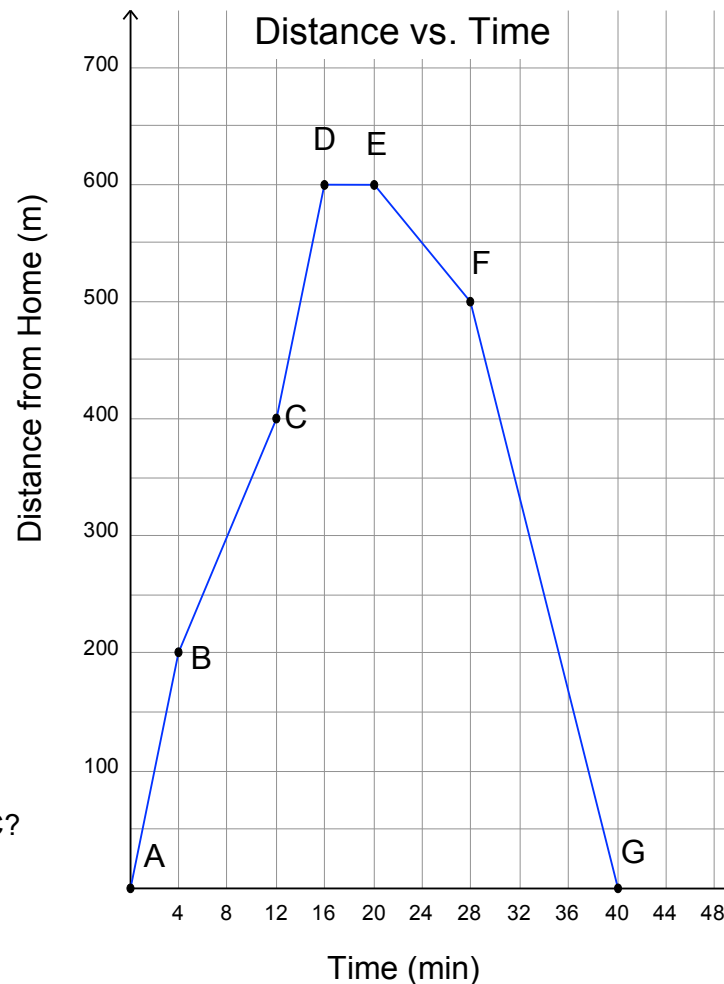


2.6 Distance Time Graphs Worksheet #1

1) The Corner Store

At 11 o'clock, Micha's mother sends him to the corner store for milk and tells him to be back in 30 minutes. Examine the graph and answer the questions on a separate sheet.

- How long did it take Micha to reach the store?
- How long did Micha stay at the store?
- How long did it take Micha to get home from the store?
- How can you use the graph to tell which direction Micha is travelling?
- How far did Micha travel in the segment BC?
- How long did it take Micha to travel segment BC?
- What was Micha's speed (in m/min) during segment BC?
- Calculate Micha's speed during segment EF.
- How could you tell (without calculations) that Micha was travelling faster during BC than EF?
- When is Micha travelling the fastest? Explain.
- When is Micha travelling the slowest? Explain.
- Did Micha make it home in 30 minutes? How do you know?



Answers

- 1) 16 minutes
- 2) 4 minutes
- 3) 20 minutes
- 4) rising line = away from home; falling line = towards home
- 5) 200 m
- 6) 8 minutes
- 7) 25 m/min
- 8) 12.5 m/min
- 9) The line is steeper
- 10) AB and CD
- 11) DE; he is not moving
- 12) No, it took 40 minutes