

Motion Graphs

1. The distance-time graph shows Guza doing her shopping



- a) Describe the first 260 seconds of Guza's trip

OA:

AB:

BC:

CD:

DE:

- b) In which region was Guza travelling the fastest?

- c) Calculate Guza's speed at

i. OA:

ii. BC:

iii. DE:

2. The velocity-time graph is for a train moving from one station to the next.



- a) Describe the motion of the train

OA:

AB:

BC:

CD:

DE:

- b) Calculate the greatest acceleration

- c) Calculate the deceleration of the train

- d) Calculate the total distance travelled.

3. Complete the table by stating the significance of features sometimes observed on distance-time and velocity-time graphs:

Feature on graph	Distance - Time	Velocity - Time
Gradient		
Horizontal Line		
Upward Line		
Downward Line		
Area under the Graph	NOT APPLICABLE	

Worksheet Interpreting Graphs Chapter Linear Motion Answers

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Gueorguieva Gargova Fung, Klay
Kruczek**

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