

Name: () Class: Date:

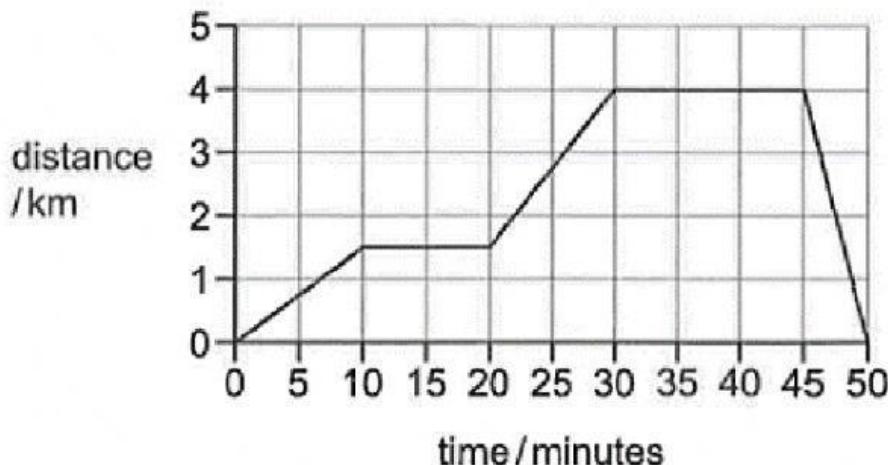
LIVE Assignment : Distance – Time Graph

Question 1: The distance – time graph below shows the journey of a person that travelled from point A to point B and back to point A.



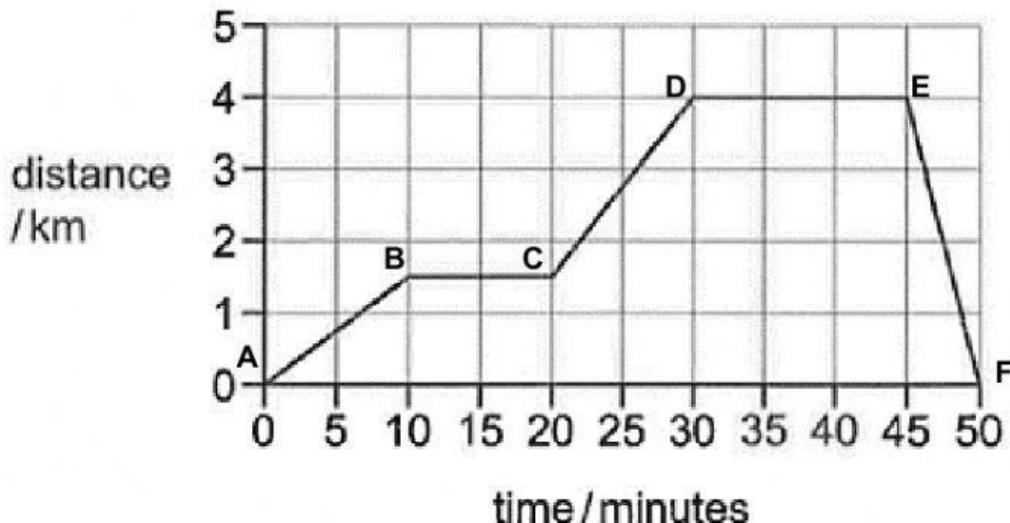
- What is the label for the x-axis (horizontal)?
- What is the label for the y-axis (vertical)?
- After 2 hours, how far has the person travelled? km
- At 7 hours, how far has the person travelled? km
- How long did the whole journey take? hr
- How far is point A from point B? km
- Rest point:
 - At what distance the person stopped to rest? km
 - What is the duration of the rest time? hr.
- Speed
 - What is the speed of the person in the first 4 hours. km/h
 - What is the speed at rest time? km/h
 - What is the speed of the person on its journey back to point A. km/h

Question 2: The distance-time journey below shows the journey of a car travelling from home to school and back to home.



- What is the label for the x-axis (horizontal)?
- What is the label for the y-axis (vertical)?
- At 10 minutes, how far has the car travelled? km
- At 30 minutes, how far has the car travelled? km
- How long did the whole journey take? min
- How far is the school from the house? km
- Rest point:
 - At what distance the car stopped to rest? km
 - What is the duration of the rest time? min.
 - What is the speed at rest time? km/h
- Speed
 - What is the speed of the car in the first 10 minutes? km/h
 - What is the speed of the car on its journey back to home? km/h
 - What is the average speed of the car for the whole journey? km/h

Question 3: A student goes for a bicycle ride. The distance-time graph shows the journey.



a) State the points at which the student

a. was stationary

Ans: and

b. was moving at constant speed

Ans: , and

b) Calculate the speed of the boy was travelling back to his starting point in km/h.

Ans: km/h

End of Paper