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.

a) What is the label for the x-axis (horizontal)? ……..

b) What is the label for the y-axis (vertical)? ……..

c) After 2 hours, how far has the person travelled? ……km

d) At 7 hours, how far has the person travelled? ……..km

e) How long did the whole journey take? …….. hr

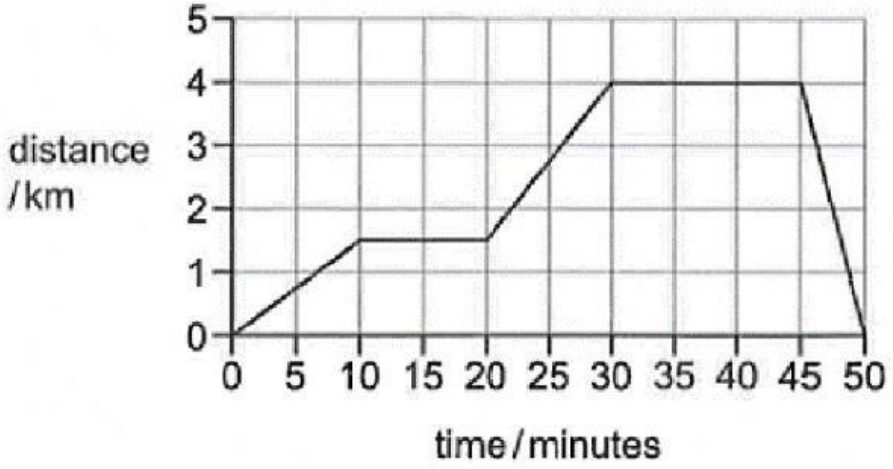
f) How far is point A from point B? ……..... km

g) Rest point:
   a. At what distance the person stopped to rest? …….. km
   b. What is the duration of the rest time? …….. hr.

h) Speed
   a. What is the speed of the person in the first 4 hours. …….. km/h
   b. What is the speed at rest time? ……. km/h
   c. What is the speed of the person on its journey back to point A. ……. km/h

LIVEWORKSHEETS

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



a) What is the label for the x-axis (horizontal)? ……..

b) What is the label for the y-axis (vertical)? ……..

c) At 10 minutes, how far has the car travelled? ……km

d) At 30 minutes, how far has the car travelled? ……..km

e) How long did the whole journey take? ……. min

f) How far is the school from the house? ……..... km

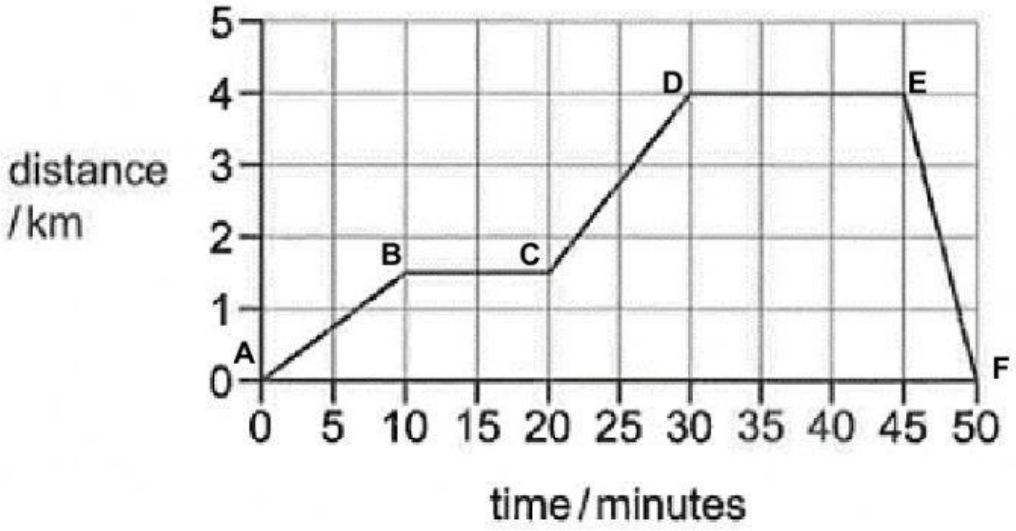
g) Rest point:

   a. At what distance the car stopped to rest? …….. km
   b. What is the duration of the rest time? …….. min.
   c. What is the speed at rest time? …… km/h

h) Speed
   a. What is the speed of the car in the first 10 minutes?…….. km/h
   b. What is the speed of the car on its journey back to home? ……. km/h
   c. What is the average speed of the car for the whole journey? ……. km/h

LIVEWORKSHEETS

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

LIVEWORKSHEETS