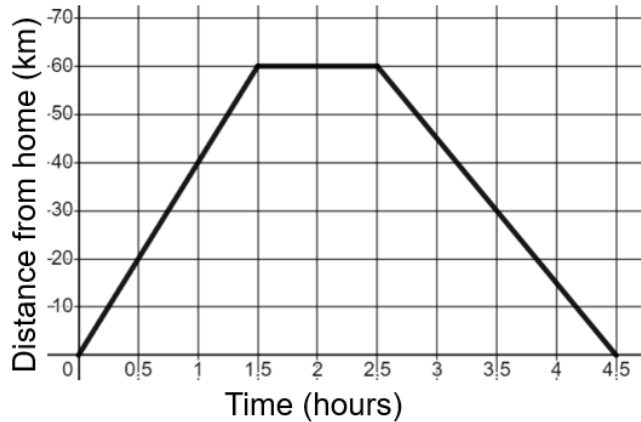


Reading Distance-Time Graphs

(a)

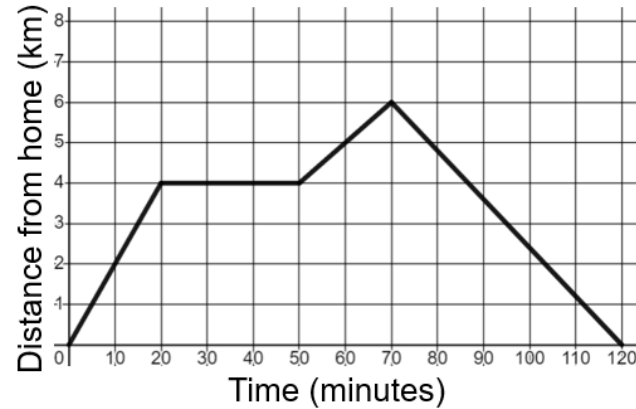
The distance-time graph shows Jamil's journey as he goes to visit a friend.



- (a) How long after Jamil has set off from home does he stop to visit his friend?
- (b) Calculate Jamil's speed as he travels to his friend's house.
- (c) How long does Jamil stay at his friend's house?
- (d) Calculate the speed Jamil travels at as he returns home.

(b)

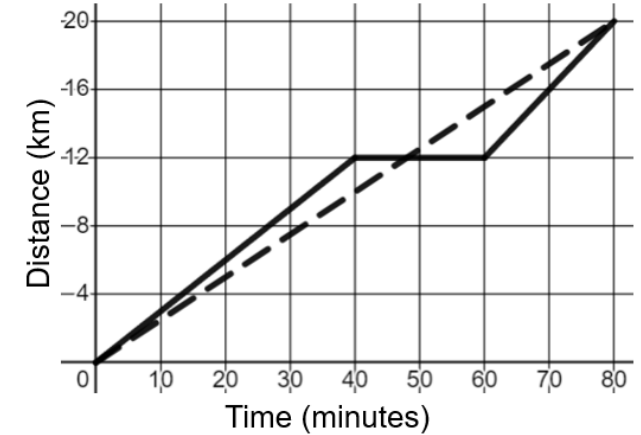
The travel graph shows Natalie's journey as she goes for a walk.



- (a) Natalie sets off from home and arrives at her friend's house 20 minutes later. How long does Natalie stay at her friend's house?
- (b) Natalie then walks for a further 20 minutes to the post box, before returning home. How far does she walk in total?
- (c) Calculate Natalie's speed in km/h as she walks home from the post box.

(c)

The graph shows the journey of two runners, Pol and Pat, during a 20 km race.



- (a) Pol runs the race at a constant speed over 80 minutes. Calculate Pol's speed in km/h.
- (b) Describe Pat's run, calculating any speeds in km/h.
- (c) Pol runs past Pat 12 km into the race. At what time does this happen?