

Day: _____ Date: _____

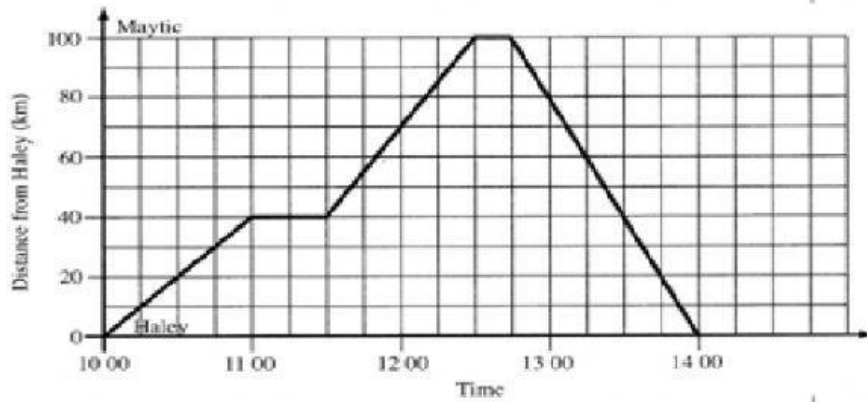
Mathematics

Speed/Distance/Time

Answer all of the questions.

★ Speed problems		
How long will it take a bike rider to travel 36 mi at a constant speed of 9 miles per hour? If a car traveled 150 mi at a constant speed in 5 hours, at what speed was it traveling? If a bus travels for 5 hours at 40 mph, how far does it travel?	4 hours $9 \overline{)36}$ Time = Distance ÷ Speed 30 mph $5 \overline{)150}$ Speed = Distance ÷ Time $5 \times 40 = 200$ mi Distance = Speed x Time	
A car travels along a road at a steady speed of 60 mph. How far will it travel in 6 hours?		
A train covers a distance of 480 mi in 8 hours. If it travels at a constant speed, how fast is it traveling?		
John walks at a steady speed of 3 mph. How long will it take him to travel 24 miles?		
 A car travels at a constant speed of 65 mph. How far will it have traveled in 4 hours?		
Melanie completes a long distance run at an average speed of 6 mph. If it takes her 3 hours, how far did she run?		
Sarah cycles 30 mi to her grandmother's house at a steady speed of 10 mph. If she leaves home at 2:00 P.M., what time will she arrive?		

20. The graph shows the return journey by car from Haley to Maytic.



- (a) At what time did the car leave Haley?

Answer: _____ [1]

- (b) How far is it from Haley to Maytic?

Answer: _____ km [1]

- (c) How long did the car stop for in total?

Answer: _____ [2]

- (d) At what time did the car return to Haley?

Answer: _____ [1]

- (e) Calculate the total time taken for the entire journey.

Answer: _____ [1]

- (f) Calculate the average speed of the entire journey (include stops).

Answer: _____ k/h [3]

