

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?

4 hours

$9 \overline{) 36}$

Time = Distance ÷ Speed

If a car traveled 150 mi at a constant speed in 5 hours, at what speed was it traveling?

30 mph

$5 \overline{) 150}$

Speed = Distance ÷ Time

If a bus travels for 5 hours at 40 mph, how far does it travel?

$5 \times 40 =$  200 mi

Distance = Speed × 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?

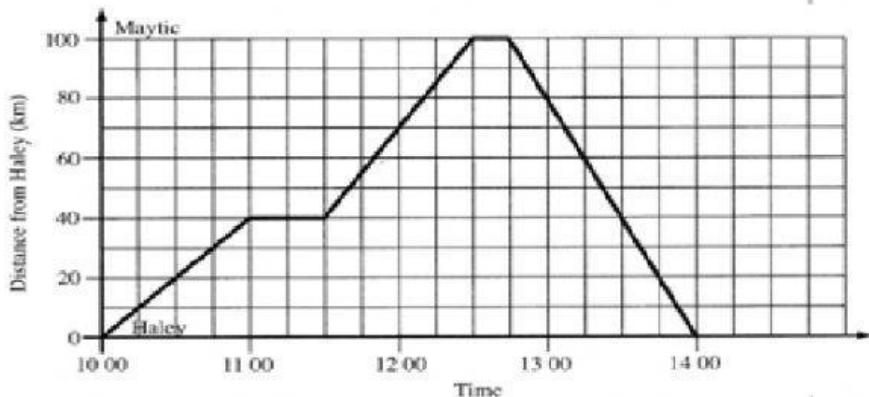
Melanie completes a long distance run at an average speed of 6 mph. If it takes her 3 hours, how far did she run?

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]

