

Answer on Question 64838, Physics, Other

Question:

Mileposts mark distance along a highway. A car traveled from milepost 15 to milepost 185. To calculate the average speed of the car, what additional information is necessary?

Answer:

The average speed is defined as the distance traveled divided by the time it took to travel the distance:

$$v = \frac{s}{t},$$

here, s is the distance traveled, t is the time.

Therefore, in order to calculate the average speed of the car, we need the additional information about the time that the car takes to travel the distance from milepost 15 to milepost 185.

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