

Math and physics problem:

As you travel down the freeway you notice the mile markers and you decide to time your travel between two markers.

If you travel one mile in 50 seconds, what is your speed in miles per hour?

(Hint: consider how FAR you travel in one second and proceed from there.)

Next time on the freeway you can calculate your speed and determine the accuracy of the speedometer in the vehicle.

(another hint: note you travel only 1/50 of a mile in one second)

Subset of above problem: Finish the formula below describing your speed where S is the amount of time to travel one mile

$$(1/S) \times 60 \times ? = \text{your speed}$$