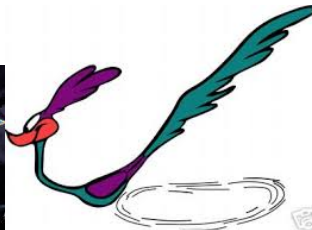


The Speeding Ticket

The fine for speeding on the highways of most states is a function of the speed of the car. The speeding fine can be determined by a linear equation; where **f** represents the fine in dollars and **m** represents the number of miles the car is EXCEEDING the 70 mph speed limit.

In Connecticut, the speed limit on federal highways is 70 miles per hour (mph). The fine for speeding on the Connecticut highways is \$10 per mile above the legal limit plus an additional \$40. What would your speeding fine be if you were traveling 78 mph? Show all work or explain in words how you arrived at your answer.



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