

Question:

John drives for 3 hours at a speed of 60 mph and then turns around because he realizes he forgot something very important at home. He tries to get home in 4 hours but spends the first 2 hours in standstill traffic. He spends the next half-hour driving at a speed of 30mph, before being able to drive the remaining time of the 4 hours going at 80 mph. How far is he from home at the end of those 4 hours?

Reasoning + Answer:

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<think>In the first 3 hours John drives  $3 * 60 = 180$  miles away from his initial point. He stops for the first 2 hours in the traffic so he drives the remaining  $4 - 2 = 2$  hours of the initial 4 hours at a speed of  $30 + 80 = 110$  mph, so he drives at a speed of 110 for  $2 * 110 = 220$  miles </think><answer>400 </answer>
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