A car travels at the speed of 36 km per hour. What is the distance travelled by car within 40 seconds in meters?

A. 100 m
B. 200 m
C. 150 m
D. 400m

Show Answer...
Correct Answer: B. 400 m

Explanation:

To find the distance travelled by car within 40 seconds, we need to convert the speed from kilometres per hour (km/h) to meters per second (m/s).
MCQ: Distance Traveled by the Car
Step 1: Convert the Speed

Speed in meters per second (m/s) = Speed in kilometers per hour (km/h) ÷ 3.6

Speed in m/s = 36 km/h ÷ 3.6 = 10 m/s

Step 2: Calculate the Distance

Distance (in meters) = Speed (in m/s) × Time (in seconds)
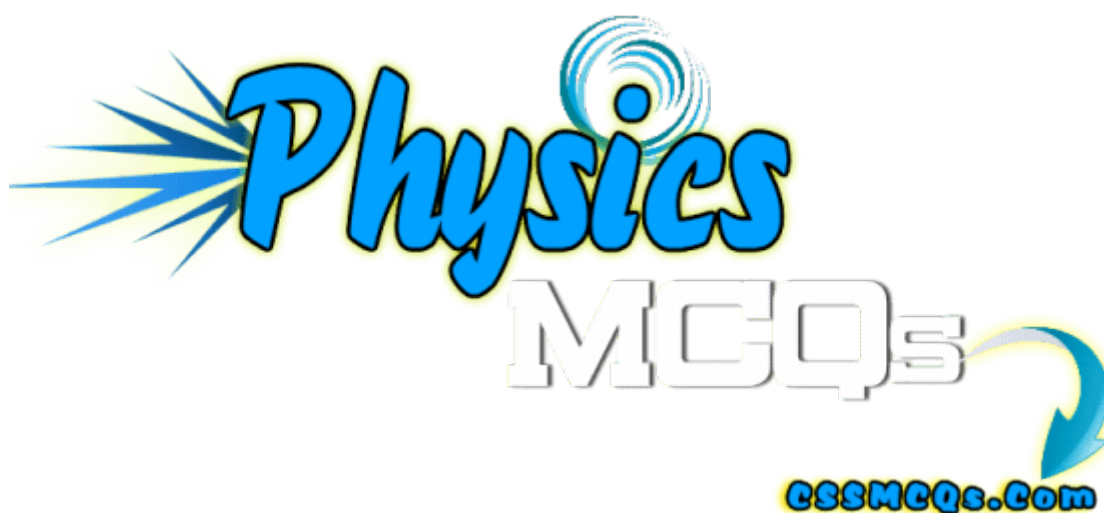
Distance = 10 m/s × 40 seconds = 400 meters

Answer:

The distance traveled by the car within 40 seconds is 400 meters.

A car travels at the speed of 36 km per hour. What is the distance traveled by the car within 40 seconds in meters? Therefore, the correct answer is **D) 400 m**.

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