

Physics

Metric Practice - Conversions

Name _____

Convert the following quantities into the desired unit.

1. 750.2 cm to meters
2. 1 m to kilometers
3. 0.75 km to millimeters
4. 1,000 cm to km
5. 350.5 mm to m
6. 12 mm to cm
7. 15.5 cm to km
8. 225 mm to km
9. **Moving Beyond:** If you signed up for a 5 km (5K) race, how many miles will you run?
Assume 1 km = 0.62 miles.
10. **Moving Beyond:** A car on 611 at 50 mi/hr. What is this speed in m/s?

$$\begin{aligned} 1 \text{ km} &= 1000 \text{ m} \\ 1 \text{ m} &= 10 \text{ dm} \\ 1 \text{ m} &= 100 \text{ cm} \\ 1 \text{ m} &= 1000 \text{ mm} \end{aligned}$$

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