

Advanced Metric Conversion

Worksheet

Name:

Date:

Solve the following measurement word problems!

1. A marathon is 26.2 miles long. Convert this distance to millimeters. (1 mile = 1.60934 kilometers)

2. You have a container that holds 2.5 liters of mercury. Given that the density of mercury is 13.6 g/mL, convert the volume to kilograms.

3. A rectangular field measures 0.75 hectares. Convert this area into square centimeters. (1 hectare = 10,000 square meters)

4. A car travels at a speed of 120 kilometers per hour. Convert this speed to meters per second.

5. The density of gold is 19.3 g/cm³. If you have a gold bar with a volume of 5 cubic inches, convert its mass to kilograms. (1 inch = 2.54 cm)