## Problem 49

A fluid ounce is about 30 mL . What is the volume of a $12 \mathrm{fl}-\mathrm{oz}$ can of soda pop in cubic meters?

## Solution

Starting with the given volume of $12 \mathrm{fl}-\mathrm{oz}$, multiply by the appropriate conversion factors so that cubic meters remains in the numerator. Note that 1 mL is the same volume as $1 \mathrm{~cm}^{3}$.

