

Conversions Homework

Perform the following conversions. Show your work for credit.

1. $6.08 \text{ ft} = ? \text{ cm}$ (1 in = 2.54 cm)
2. $11.5 \text{ gal} = ? \text{ L}$ (1 gal = 3.785 L)
3. $10,000. \text{ m} = ? \text{ miles}$ (1 mi = 5280 ft, 1 m = 3.28 ft)
4. $35 \text{ years} = ? \text{ s}$ (1 yr = 365.25 d, 1 d = 24 hr, 1 hr = 3600 s)
5. $50 \text{ psi} = ? \text{ atm}$ (1 atm = 14.7 psi)

6. $7580 \text{ pm} = ? \text{ m}$ ($1 \text{ m} = 1 \times 10^{-12} \text{ pm}$)

7. $2759 \text{ ft} = ? \text{ mi}$ ($1 \text{ mi} = 5280 \text{ ft}$)

8. $5.68 \text{ gal} = ? \text{ fl. oz.}$ ($1 \text{ gal} = 128 \text{ fl. oz.}$)

9. $500 \text{ m} = ? \text{ mm}$ ($1 \text{ m} = 1000 \text{ mm}$)

10. $2.56 \text{ atm} = ? \text{ Pa}$ ($1 \text{ atm} = 101,325 \text{ Pa}$)