

Date:

Name:

Work each of the following problems. SHOW ALL WORK.

- 1. Convert 2.5 feet into inches. (1 ft = 12 in)
- 2. Convert 32 centimeters into inches. (1 in = 2.54 cm)
- 3. Convert 68 centimeters into feet.
- 4. Convert 142 weeks into years. (1 yr = 365.25 d; 1 week = 7 d)
- 5. Convert 8.1 kilograms into grams.

6. Convert 376 centimeters into meters.



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Work each of the following problems. SHOW ALL WORK.

7. Convert 1.5 seconds to milliseconds.

- 8. Convert 6,400,000 milligrams to kilograms.
- 9. Convert the following numbers from standard notation to scientific notation:

-3,600,000,000 = _____ 48,000,000 = _____ 0.000033 = _____ -0.00000053 = _____

10. Convert the following numbers from scientific notation to standard notation:

 $5.2 \times 10^{-4} =$ -2.9 x 10⁵ = $7.1 \times 10^8 =$ -1.8 x 10⁻³ =