Chemistry I-Standard

Factor-Label Practice

Use the Factor-Label Method to convert the following quantities to the new units. Place your final answers on the lines in front of each problem. Show all work! Round all answers to 2 decimal places if possible.

|  |  |
| --- | --- |
| \_\_\_\_\_\_\_\_\_\_1. 5.2 inches = ? cm | \_\_\_\_\_\_\_\_\_\_8. 78.5 oz = ? grams |
| \_\_\_\_\_\_\_\_\_\_2. 3.8 quarts = ? L | \_\_\_\_\_\_\_\_\_\_9. 0.23 m = ? ft |
| \_\_\_\_\_\_\_\_\_\_3. 9.5 yards = ? mi | \_\_\_\_\_\_\_\_\_\_10. 4585 kg = ? tons |
| \_\_\_\_\_\_\_\_\_\_4. 0.02 ft = ? yd  | \_\_\_\_\_\_\_\_\_\_11. 56.3 m = ? yd |
| \_\_\_\_\_\_\_\_\_\_5. 2.65 mi = ? km | \_\_\_\_\_\_\_\_\_\_12. 63.4 cm = ? yd |
| \_\_\_\_\_\_\_\_\_\_6. 0.65 cm = ? hm | \_\_\_\_\_\_\_\_\_\_13. 89.45 oz = ? g |
| \_\_\_\_\_\_\_\_\_\_7. 58 lb = ? grams | \_\_\_\_\_\_\_\_\_\_14. 1.33x104 cm3 = ? gallons  |