Name _____

Convert Units of Weight and Mass

Convert to the given unit.

1. 5 pounds = ⬚ ounces

conversion factor: $\dfrac{\textbf{16}\ \text{oz}}{\textbf{1}\ \text{lb}}$

5 pounds = 5 ㏒ × $\dfrac{16\ \text{oz}}{1\ \text{㏒}}$ = **80** oz

2. 2.36 grams = ⬚ hectograms

Move the decimal point **2** places to the left.

2.36 grams = **0.0236** hectogram

3. 48 oz = ⬚ lb

4. 30 g = ⬚ dg

5. 5 T = ⬚ lb

_____

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6. 17.2 hg = ⬚ g

7. 400 lb = ⬚ T

8. 38,600 mg = ⬚ dag

_____

_____

_____

9. 87 oz = ⬚ lb ⬚ oz

10. 0.0793 kg = ⬚ cg

11. 0.65 T = ⬚ lb

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Problem Solving Real World

12. Maggie bought 52 ounces of swordfish selling for $6.92 per pound. What was the total cost?

13. Three bunches of grapes have masses of 1,000 centigrams, 1,000 decigrams, and 1,000 grams, respectively. What is the total combined mass of the grapes in kilograms?

_____

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