

Additional Practice 12-3

Convert Customary Units of Weight

Another Look!

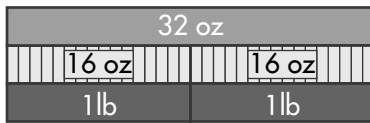
Remember:
1 ton equals 2,000 pounds and
1 pound equals 16 ounces.



How to change from one unit of weight to another:

Converting from a smaller unit to a larger unit:

32 ounces = _____ pounds

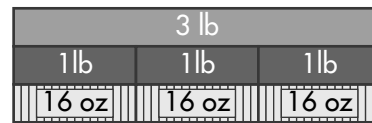


You know 16 oz = 1 lb, so divide.

Find $32 \div 16$; 32 oz = 2 lb.

Converting from a larger unit to a smaller unit:

3 pounds = _____ ounces



You know 1 lb = 16 oz, so multiply.

Find 3×16 ; 3 lb = 48 oz.

In 1–6, convert each unit of weight.

1. 4 T = **8,000** lb

2. 5 lb = **80** oz

3. 5,500 lb = **$2\frac{3}{4}$** T

4. $2\frac{1}{2}$ lb = **40** oz

5. 90 lb = **1,440** oz

6. 224 oz = **14** lb

In 7–12, compare. Write >, <, or = for each ☐.

7. 16 lb ☒ 16 oz

8. 1,500 lb ☐ 2 T

9. 3 T ☒ 5,999 lb

10. 1,600 oz ☒ 10 lb

11. 19 lb ☒ 300 oz

12. 8 oz ☐ $\frac{1}{2}$ lb

In 13 and 14, complete each table to show equivalent measures.

13.

pounds	2,000	3,000	6,000
tons	1	$1\frac{1}{2}$	3

14.

ounces	16	48	160
pounds	1	3	10



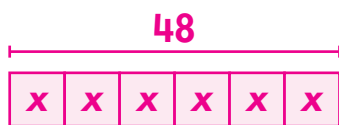
In **15** and **16**, use the recipe.

- 15.** Aaron bought these ingredients to make the trail mix recipe. How many pounds of trail mix will he make?

3 pounds

- 16. Model with Math** Aaron wants to divide the trail mix equally into 6 bags to give to his friends. How much trail mix will be in each bag? Draw a bar diagram and write an equation to help you find the answer.

8 ounces



Sample answer: $48 \div 6 = x$



- 17. Number Sense** A candy maker buys a bar of chocolate weighing 162 ounces. About how many pounds does the bar weigh?

About 10 lb

- 18. Higher Order Thinking** Karla bought 2 pounds of broccoli, $1\frac{3}{4}$ pounds of green beans, and 10 ounces of kale. How much do Karla's vegetables weigh in all? Write your answer two different ways.

Sample answer: 4 lb 6 oz; $4\frac{3}{8}$ lb

- 19.** Students visited a zoo where they learned that a large white rhinoceros could weigh as much as 6,000 pounds. How many tons is this?

3 tons

- 20. Algebra** Complete the table. Write the expression that can be used to find the missing value in the second row. **$n + 6$**

n	12	15	21	28
$n + \underline{6}$	18	21	27	34

Assessment Practice

21. Part A

Paula's kitten weighs $3\frac{1}{2}$ pounds. Write this weight using pounds and ounces.

3 pounds 8 ounces

Part B

Explain how you found your answer.

Sample answer: 1 pound = 16 ounces. Half of 16 oz = 8 oz. Add the 8 oz to 3 lb.