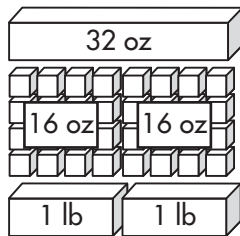


# Converting Customary Units of Weight

How to change a weight measurement from one unit to another:

Converting a weight measurement from a smaller unit to a larger unit

$$32 \text{ ounces} = \underline{\hspace{2cm}} \text{ pounds}$$



**Think:** If I measure the same weight using a larger unit, I will need a smaller number of units.

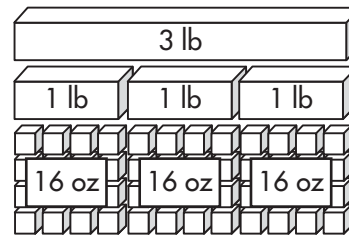
**Operation:** Divide.

You know  $16 \text{ oz} = 1 \text{ lb}$ .

Find  $32 \div 16$ ;  $32 \text{ oz} = 2 \text{ lb}$

Converting a weight measurement from a larger unit to a smaller unit

$$3 \text{ pounds} = \underline{\hspace{2cm}} \text{ ounces}$$



**Think:** If I measure the same weight using a smaller unit, I will need a larger number of units.

**Operation:** Multiply.

You know  $1 \text{ lb} = 16 \text{ oz}$ .

Find  $3 \times 16$ ;  $3 \text{ lb} = 48 \text{ oz}$

## Relationships Between Customary Units of Weight

Ounce	Pound	Ton
16 oz	= 1 lb	
	2,000 lb	= 1 T

Convert each unit of measurement.

1.  $4 \text{ T} = \underline{\hspace{2cm}} \text{ lb}$

2.  $5 \text{ lb} = \underline{\hspace{2cm}} \text{ oz}$

3.  $48 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$

4.  $6,000 \text{ lb} = \underline{\hspace{2cm}} \text{ T}$

Compare. Use  $>$ ,  $<$ , or  $=$ .

5.  $3,000 \text{ lb} \bigcirc 1 \text{ T}$

6.  $272 \text{ oz} \bigcirc 20 \text{ lb}$

7. **Estimation** A candy maker buys a bar of chocolate weighing 162 ounces. About how many pounds does the bar weigh?

Name \_\_\_\_\_

# Converting Customary Units of Weight

Convert each unit of measurement.

1. 8 T = \_\_\_\_\_ lb

2.  $2\frac{1}{2}$  lb = \_\_\_\_\_ oz

3. 4,000 lb = \_\_\_\_\_ T

4. 90 lb = \_\_\_\_\_ oz

Compare. Use  $>$ ,  $<$ , or  $=$ .

5. 16 lb  16 oz

6. 1,500 lb  2 T

7. 3 T  5,999 lb

8. 1,600 oz  10 lb

9. 19 lb  300 oz

10. 8 oz   $\frac{1}{2}$  lb

11. How many ounces of potatoes are in a 5-pound bag of potatoes? \_\_\_\_\_

12. Did you know that there is litter in outer space? Humans exploring space have left behind bags of trash, bolts, gloves, and pieces of satellites. There are currently about 4,000,000 pounds of litter in orbit around Earth. About how many tons of space litter is this? \_\_\_\_\_

13. Karla bought 2 pounds of red beads,  $1\frac{3}{4}$  pounds of green beads, and 10 ounces of string at the craft store. How much do Karla's supplies weigh in all? \_\_\_\_\_

14. Which of the following is equivalent to  $92\frac{1}{2}$  pounds?

**A** 1,472 oz

**B** 1,480 oz

**C** 1,479 oz

**D** 1,488 oz

15. How much is  $3\frac{1}{2}$  pounds written as a combination of whole pounds and whole ounces? Explain how you found your answer.

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