






# 14 Convert Customary Measures of Capacity

## Here's How

 <p>1 fluid ounce (fl oz)</p>	 <p>1 c (c) 1 c = 8 fl oz</p>	 <p>1 pint (pt) 1 pt = 2 c 1 pt = 16 fl oz</p>	 <p>1 quart (qt) 1 qt = 2 pt 1 qt = 4 c 1 qt = 32 fl oz</p>	 <p>1 gallon (gal) 1 gal = 4 qt 1 gal = 8 pt 1 gal = 128 fl oz</p>
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You can convert (change or rename) customary units of liquid capacity.

How many fluid ounces are there in 2 cups?

$$\begin{aligned} \blacktriangleright \quad 2 \text{ c} &= \underline{\quad ? \quad} \text{ fl oz} \\ 2 \times 8 &= 16 \\ 2 \text{ c} &= \underline{16} \text{ fl oz} \end{aligned}$$

Multiply by 8 because  $1 \text{ c} = 8 \text{ fl oz}$ .

How many pints are there in 4 cups?

$$\begin{aligned} \blacktriangleright \quad 4 \text{ c} &= \underline{\quad ? \quad} \text{ pt} \\ 4 \div 2 &= 2 \\ 4 \text{ c} &= \underline{2} \text{ pt} \end{aligned}$$

Divide by 2 because  $2 \text{ c} = 1 \text{ pt}$ .

## Try These

Convert each measure.

To rename a larger unit of measure as a smaller unit of measure, you multiply. To rename a smaller unit of measure as a larger unit of measure, you divide.

- $3 \text{ c} = \underline{\hspace{2cm}} \text{ fl oz}$
- $2 \text{ pt} = \underline{\hspace{2cm}} \text{ c}$
- $9 \text{ pt} = \underline{\hspace{2cm}} \text{ c}$
- $16 \text{ fl oz} = \underline{\hspace{2cm}} \text{ c}$
- $6 \text{ c} = \underline{\hspace{2cm}} \text{ pt}$
- $5 \text{ c} = \underline{\hspace{2cm}} \text{ fl oz}$
- $32 \text{ fl oz} = \underline{\hspace{2cm}} \text{ c}$
- $20 \text{ c} = \underline{\hspace{2cm}} \text{ pt}$


 Go Ahead

Convert each measure.

Look at *Here's How* if you need help.

- ▶ 1. 5 pt = \_\_\_\_\_ c      2. 12 c = \_\_\_\_\_ pt
3. 6 c = \_\_\_\_\_ fl oz      4. 16 fl oz = \_\_\_\_\_ c
5. 2 qt = \_\_\_\_\_ pt      6. 3 qt = \_\_\_\_\_ pt
7. 10 pt = \_\_\_\_\_ qt      8. 8 pt = \_\_\_\_\_ qt
9. 3 gal = \_\_\_\_\_ qt      10. 2 gal = \_\_\_\_\_ qt
11. 8 qt = \_\_\_\_\_ gal      12. 16 qt = \_\_\_\_\_ gal
13. 1 qt = \_\_\_\_\_ c      14. 2 pt = \_\_\_\_\_ qt
15. 6 c = \_\_\_\_\_ pt      16. 4 gal = \_\_\_\_\_ qt
- ▶ 17. Eric used 2 cups of milk for his potato soup recipe. If he had 1 gallon of milk, how many cups of milk did he have left? \_\_\_\_\_
18. Rob needs 2 cups of sauce for his pizza topping mix. How many fluid ounces is this? \_\_\_\_\_

Think about how many quarts are in a gallon. Then think about how many cups are in a quart.