## Another Look!



How to change from one customary unit of capacity to another:

Converting from a smaller unit to a larger unit:

$$
4 \text { pints }=\quad \text { quarts }
$$

| 1 qt |  | 1 qt |  |
| :---: | :---: | :---: | :---: |
| 1 pt | 1 pt | 1 pt | 1 pt |
| $\longleftrightarrow$ |  |  |  |
| pt |  |  |  |

Operation: Divide.
You know $2 \mathrm{pt}=1 \mathrm{qt}$.
Find $4 \div 2 ; 4 \mathrm{pt}=2 \mathrm{qt}$.

Converting from a larger unit to a smaller unit:

2 gallons $=$ $\qquad$ quarts

|  | qt ${ }^{1}$ at 19 at ${ }^{1}$ qt |
| :---: | :---: |
| 1 gal | 1 gal |
|  |  |

Operation: Multiply.
You know $1 \mathrm{gal}=4 \mathrm{qt}$.
Find $2 \times 4 ; 2 \mathrm{gal}=8 \mathrm{qt}$.

1. Convert 2 quarts to fluid ounces. Write in the missing amounts.

2 quarts $=$ $\qquad$ pints $\qquad$ pints $=8$ cups $\qquad$ cups $=$ $\qquad$ fluid ounces

In 2-13, convert each unit of capacity.
2. $14 \mathrm{fl} \mathrm{oz}=$ $\qquad$ c
3. $8 \mathrm{gal}=$ $\qquad$ qt
4. $3 \frac{1}{4} \mathrm{pt}=$ $\qquad$
5. $\frac{1}{4} c=$ $\qquad$ 6. $6 \frac{1}{4} \mathrm{qt}=$ $\qquad$ 7. $28 \mathrm{c}=$ $\qquad$ qt
8. $2 q t=$ $\qquad$ pt
9. $5 \mathrm{c}=$ $\qquad$ pt $\qquad$ c
10. $3 \mathrm{gal}=$ $\qquad$ pt
11. $96 \mathrm{fl} \mathrm{oz}=$ $\qquad$ c
12. $4 \mathrm{qt}=$ $\qquad$ c
13. $8 \frac{1}{4} \mathrm{pt}=$ $\qquad$ fl oz
14. Number Sense Estimate the number of pints in 445 fluid ounces. Explain your work.
15. If you needed only 1 cup of milk, what is your best choice at the grocery store-a quart container, a pint container, or a $\frac{1}{2}$ gallon container?

In 16 and 17, use the recipe.
16. Sadie is making punch. How many more quarts of lemon-lime juice will she use than orange juice?
17. Higher Order Thinking How many gallons of punch will Sadie make?

Ingredients for Punch
8 quarts lemon-lime juice 4 pints vanilla ice cream
8 cups orange juice
19. Reasoning How would you convert a measurement given in fluid ounces into pints?
$\frac{1}{16}$ gallon. How much more did she get for selling the juice than she paid to buy it? Tell how you found the answer.
18. Callie bought 2 gallons of juice for $\$ 2.58$ per gallon. She sold the juice in 1-cup servings for $\$ 0.75$ each. Each serving is Tell how you found the answer.

## Assessment Practice

20. Choose all measurements that are equal to 4 quarts.


2 gallons
2 pints
$\square 8$ pints
$\square 48 \mathrm{fl} \mathrm{oz}$

21. Choose all statements that are true.
$\square 7$ pints $>2$ quarts
$\square 4$ pints 1 cup $>10$ cups
$\square 1$ quart $>40 \mathrm{fl} \mathrm{oz}$
$\square 1$ gallon $<8$ pints 1 cup
$\square 8$ quarts $=32$ gallons

