

MY Homework

Lesson 7

Convert Customary Units of Capacity

Homework Helper



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Paco has 3 pints of juice plus 1 cup of juice. How many cups of juice does he have in all?

Convert 3 pints to cups.

Since 1 pint = 2 cups, multiply 3 by 2.

So, 3 pints = 6 cups.

$$\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$$

Then add the remaining 1 cup. $6 + 1 = 7$

So, Paco has 7 cups of juice.

Practice

Complete.

1. $16 \text{ c} = \underline{\hspace{2cm}} \text{ pt}$

2. $64 \text{ fl oz} = \underline{\hspace{2cm}} \text{ c}$

3. $5 \text{ qt} = \underline{\hspace{2cm}} \text{ gal} \underline{\hspace{2cm}} \text{ qt}$

4. $18 \text{ qt} = \underline{\hspace{2cm}} \text{ gal}$

5. $7 \text{ c} = \underline{\hspace{2cm}} \text{ pt}$


6. $16 \text{ pt } 1 \text{ c} = \underline{\hspace{2cm}} \text{ c}$



Problem Solving

7. The table shows the amount of paint left in each jar. Which jar contains the greatest amount of paint? the least?

Jar	Amount
blue	2 pt 4 fl oz
purple	5 cups
green	39 fl oz

8. **Mathematical PRACTICE**  **Model Math** Write about a real-world situation that can be solved by converting customary units of capacity. Then solve.

Vocabulary Check



Circle the correct term to complete each sentence.

9. (Cups, Gallons) would be the most appropriate customary unit to measure the capacity of a hot chocolate mug.
10. (Gallons, Pints) would be the most appropriate customary unit to measure the capacity of a swimming pool.
11. (Weight, Capacity) is a measure of how much a container can hold.



Test Practice

12. The average person drinks 1 pint of milk a day. At this rate, how many gallons will a person drink in a leap year (366 days)?
- (A) 45 gallons (C) $45\frac{3}{4}$ gallons
- (B) $45\frac{1}{2}$ gallons (D) 46 gallons