

ame _____

Customary Capacity

You can convert one unit of customary capacity to another by multiplying or dividing.

Multiply to change from larger to smaller units.

Divide to change from smaller to larger units.

Customary Units of Capacity

1 cup (c) = 8 fluid ounces (fl oz)
 1 pint (pt) = 2 cups
 1 quart (qt) = 2 pints
 1 quart = 4 cups
 1 gallon (gal) = 4 quarts

Convert 8 cups to quarts.

Step 1
Decide:
Multiply or Divide

cups → quarts
smaller → larger

Step 2
Think:
4 c = 1 qt,
so 8 c = (8 ÷ 4) qt.

Step 3
Divide.
8 ÷ 4 = 2

So, 8 cups = 2 quarts.

Convert 19 gallons to quarts.

Step 1
Decide:
Multiply or Divide

gallons → quarts
larger → smaller

Step 2
Think:
1 gal = 4 qt,
so 19 gal = (19 × 4) qt.

Step 3
Multiply.
19 × 4 = 76

So, 19 gallons = 76 quarts.

Convert.

1. 14 pt = _____ qt 2. 32 qt = _____ c 3. 7 c = _____ fl oz
4. 28 c = _____ pt 5. 9 gal = _____ qt 6. 16 c = _____ qt

Compare. Write <, >, or =.

7. 16 qt ○ 60 c 8. 88 fl oz ○ 11 c 9. 3 gal ○ 10 qt
10. 36 qt ○ 54 c 11. 66 fl oz ○ 9 c 12. 16 gal ○ 64 qt

Name _____

Customary Capacity

Convert.

1. 5 gal = **40** pt

2. 192 fl oz = _____ pt

3. 15 pt = _____ c

Think: 1 gallon = 4 quarts

1 quart = 2 pints

4. 240 fl oz = _____ c

5. 32 qt = _____ gal

6. 10 qt = _____ c

7. 48 c = _____ qt

8. 72 pt = _____ gal

9. 128 fl oz = _____ pt

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

10. 17 qt 4 gal

11. 96 fl oz 8 pt

12. 400 pt 100 gal

13. 100 fl oz 16 pt

14. 74 fl oz 8 c

15. 12 c 3 qt

Problem Solving 

16. Vickie made a recipe for 144 fluid ounces of scented candle wax. How many 1-cup candle molds can she fill with the recipe?
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17. A recipe calls for 32 fluid ounces of heavy cream. How many 1-pint containers of heavy cream are needed to make the recipe?
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