

Name _____

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.

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.

$$8 \div \underline{4} = \underline{2}$$

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.

$$19 \times \underline{4} = \underline{76}$$

So, 19 gallons = 76 quarts.

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 = 4 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