

Name _____

Convert Units of Capacity



COMMON CORE STANDARD—6.RP.3d
Understand ratio concepts and use ratio reasoning to solve problems.

Convert to the given unit.

1. 7 gallons = quarts

conversion factor: $\frac{4 \text{ qt}}{1 \text{ gal}}$

$$7 \text{ gal} \times \frac{4 \text{ qt}}{1 \text{ gal}}$$

$$7 \text{ gal} = 28 \text{ qt}$$

2. 5.1 liters = kiloliters

Move the decimal point **3** places to the left.

5.1 liters = **0.0051** kiloliters

3. 20 qt = gal

4. 40 L = mL

5. 16 c = pt

6. 300 L = kL

7. 33 pt = qt pt

8. 29 cL = daL

9. 4 pt = fl oz

10. 7.7 kL = cL

11. 24 fl oz = pt c

Problem Solving

12. A bottle contains 3.5 liters of water. A second bottle contains 3,750 milliliters of water. How many more milliliters are in the larger bottle than in the smaller bottle?

13. Arnie's car used 100 cups of gasoline during a drive. He paid \$3.12 per gallon for gas. How much did the gas cost?
