

Volume Word Problems

Name: _____ Class: _____

Take: 1 gallon = 3.79 liters, 1 quart = 0.95 liters, 1 pint = 0.47 liters
Show your workings and round answers off to the nearest hundredth.

1. Every day I drink 0.75 gallons of milk. How many liters of milk do I drink in 4 weeks?



2. The total capacity of 4 similar jugs is 3.6 gallons. What is the capacity of 1 jug in milliliters?

3. The volume of 1 can of cola is 0.5 quarts. What is the volume of 64 cans in liters?



4. A container has a capacity of 100 gallons. Already filled with 10 gallons, how many liters of water is needed to fill it up completely?

5. How many milliliters of water do you need to fill up a 1.5 quart bottle?



6. What can hold more water: a 12 gallon jerry can or a 40,000 milliliters fish bowl?

Answers

Take: 1 gallon = 3.79 liters, 1 quart = 0.95 liters, 1 pint = 0.47 liters
Show your workings and round answers off to the nearest hundredth.

1. Every day I drink 0.75 gallons of milk. How many liters of milk do I drink in 4 weeks?

$$4 \times 7 \times 0.75 \times 3.79 = 79.59 \text{ liters}$$



2. The total capacity of 4 similar jugs is 3.6 gallons. What is the capacity of 1 jug in milliliters?

$$(3.6 \div 4) \times 3.79 \times 1,000 = 3,411 \text{ milliliters}$$

3. The volume of 1 can of cola is 0.5 quarts. What is the volume of 64 cans in liters?

$$0.5 \times 64 \times 0.95 = 30.4 \text{ liters}$$



4. A container has a capacity of 100 gallons. Already filled with 10 gallons, how many liters of water is needed to fill it up completely?

$$(100 - 10) \times 3.79 = 341.1 \text{ liters}$$

5. How many milliliters of water do you need to fill up a 1.5 quart bottle?

$$1.5 \times 0.95 \times 1,000 = 1,425 \text{ milliliters}$$



6. What can hold more water: a 12 gallon jerry can or a 40,000 milliliters fish bowl?

$$12 \times 3.79 \times 1,000 > 40,000$$