## Volume and capacity word problems (customary units)

Grade 4 Word Problems Worksheet

Hint: 16 ounces $=2$ cups $=1$ pint
2 pints $=1$ quart
4 quarts $=1$ gallon

1. The capacity of a pot is 1 quart and the volume of a can of soup is 8 oz . How many cans of soup can the pot hold?
2. There are 3 cups of orange juice in a pitcher. If we add 3 oz of lemon juice, what is the volume (measured in oz) of the mixture?
3. A small carton of milk contains 12 oz of milk. 12 cartons of milk are poured into a big mixing bowl. How much milk (measured in pints) is in the bowl?

4. The chef made a gallon of gravy and used 3 cups during lunch time and 2 quarts during dinner. How much gravy is left?
5. The capacity of a big pot is 2 gallons, and the capacity of a small pot is 3 quarts. What is the difference in capacity between the two pots?
6. A tall glass can hold 2 pints and a big mug can hold 30 oz. Which one holds more?

## Answers

1. 1 quart $=2$ pints $=32 \mathrm{oz}$
$32 \div 4=4$
The pot can hold 4 cans of soup.
2. 3 cups $=24 \mathrm{oz}$
$24+3=27$
The volume of the mixture is 27 oz .
3. $12 \times 12=144$
$144 \div 16=9$
$144 \mathrm{oz}=9$ pints
There are 9 pints of milk in the bowl.
4. 1 gallon $=16$ cups

2 quarts $=8$ cups
$16-8-3=5$
There are 5 cups of gravy left.
5. 2 gallons $=8$ quarts
$8-3=5$
The difference in capacity between the two pots is 5 quarts.
6. 2 pints $=32 \mathrm{oz}$

The tall glass holds more.

