

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 oz $32 \div 4 = 4$ The pot can hold 4 cans of soup.
- 2. 3 cups = 24 oz24 + 3 = 27The volume of the mixture is 27 oz.
- 3. $12 \times 12 = 144$ $144 \div 16 = 9$ 144 oz = 9 pintsThere are 9 pints of milk in the bowl.
- 4. 1 gallon = 16 cups 2 quarts = 8 cups 16 - 8 - 3 = 5There 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 oz The tall glass holds more.