

Word problems: US customary system for volume

Answer the following questions in the space provided. The first question has been done for you.

1. Jack mixes 2 cups of soup with 4 cups of water. What is the total volume of liquid in pints?

The total volume of liquid is 3 pints.

2. The artist mixed 1 pint of red color with 4 cups of white color. What is the total volume of color in quarts?

3. Avan mixes 4 quarts orange juice with 2 quarts soda and 4 cups water. What is the total volume of the mocktail in quarts?

4. A pack of 12 juice packets has a total volume of 36 fluid ounces. What is the volume of juice, in ounces, in each juice packet?

5. One water jug has 1 gallon of water. If 2 quarts of water are already consumed, what is the remaining volume of water, in quarts, in the jug?

6. Myra buys new liquid for a bubble bath. The instructions on the packet require her to put a drop of bubble bath for every 4 quarts of water in the tub. Her bathtub can hold 12 gallons of water. How many drops of liquid does she need to put in her filled tub?

7. The vendor can make 10 pints of juice in one hour. In how much time will he be able to make 40 cups of juice?

8. The gardener needs 50 quarts of water to water all the plants once a week. How much total water in gallons will he need in four weeks?

9. Rebecca has 100 pints of lemonade. She sold 50 cups of lemonade at the school fair. How many more cups of lemonade is she left with?

10. Mark's owner at the factory asked his employees to bring 50 quarts of vinegar to clean the machinery. They spilled 4 cups of vinegar on the way. How many more cups of vinegar are they left with?
