

Volume Word Problems

Name: _____ Class: _____

Solve the following word problems. Show number sentence and your workings.

1. The volume of a jam pot is 500 milliliters.
What is the volume in liters of 6 jam pots?



2. A bathtub is filled with 320 liters of water. If the capacity of the tub is 1,000 liters, how much more water is needed to fill it up completely?

3. The price of a 100 ml bottle of perfume is 50 dollars.
How much would 1 liter of this perfume cost?



4. If you drink 150 ml out of a 1 liter bottle of water, how much water will you have left?

5. A glass of water has a capacity of 200 ml. What is the capacity in liters of 10 such glasses?



6. I drink half a liter of orange juice every day. How much orange juice do I drink per week?

Answers

Solve the following word problems. Show number sentence and your workings.

1. The volume of a jam pot is 500 milliliters.
What is the volume in liters of 6 jam pots?

$$6 \times 500 = 3,000 \text{ ml} = 3 \text{ liters}$$



2. A bathtub is filled with 320 liters of water. If the capacity of the tub is 1,000 liters, how much more water is needed to fill it up completely?

$$1,000 - 320 = 680 \text{ liters}$$

3. The price of a 100 ml bottle of perfume is 50 dollars.
How much would 1 liter of perfume cost you?

$$10 \times 50 = 500 \text{ dollars}$$



4. If you drink 150 ml out of a 1 liter bottle of water, how much water will you have left?

$$1,000 - 150 = 850 \text{ ml}$$

5. A glass of water has a capacity of 200 ml. What is the capacity in liters of 10 such glasses?

$$10 \times 200 = 2,000 \text{ ml} = 2 \text{ liters}$$



6. I drink half a liter of orange juice every day. How much orange juice do I drink per week?

$$500 \times 7 = 3,500 \text{ ml or } 3 \text{ liters } 500 \text{ ml}$$