Volume Word Problems

Name: _____ Class: _____

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

1.   The volume of 1 bottle of water is 0.35 liter.
      What is the volume of 100 bottles?

2.   A tank has a volume of 1,500 liters of water. If you pour 500,000 milliliters out of it, how much water will still be in it?
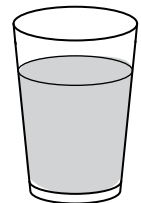
3.   The total capacity of 7 similar jugs of water is 4,900 milliliters. What is the capacity of 1 jug in liters?

      4,900 ÷ 7 = 700 ml = 0.7 liters

4.   A container has a capacity of 1,000 liters and is filled with 200,000 ml of water. How much more water is needed to fill it up completely?

5.   A glass of water has a volume of 0.15 liters. What is the volume of 8 glasses in milliliters?

6.   You have 100 liters of water. How many 50 milliliter cups can you fill with this?

Answers

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

1. The volume of 1 bottle of water is 0.35 liter.
   What is the volume of 100 bottles?

   100 x 0.35 = 35 liters

2. A tank has a volume of 1,500 liters of water. If you pour 500,000
   milliliters out of it, how much water will still be in it?

   1,500 - (500,000 ÷ 1,000) = 1,000 liters

3. The total capacity of 7 similar jugs of water is 4,900
   milliliters. What is the capacity of 1 jug in liters?

   4,900 ÷ 7 = 700 ml = 0.7 liters
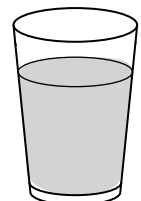
4. A container has a capacity of 1,000 liters and is filled with 200,000 ml
   of water. How much more water is needed to fill it up completely?

   1,000 - (200,000 ÷ 1,000) = 800 liters

5. A glass of water has a volume of 0.15 liters. What is
   the volume of 8 glasses in milliliters?

   8 x 0.15 = 1.2 liters = 1,200 milliliters

6. You have 100 liters of water. How many 50 milliliter cups
   can you fill with this?

   (100 x 1,000) ÷ 50 = 2,000 cups