Volume Word Problems

Name: _____ Class: _____

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

1. The volume of 1 carton of milk is 0.25 gallons.
    What is the volume of 3 cartons of milk in quarts?
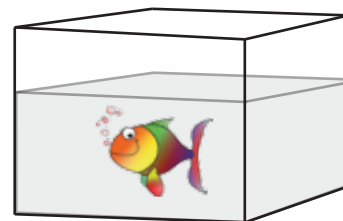
2. A bathtub has a capacity of 100 gallons. With already 80 pints
    of water in the tub, how much more is needed to fill it completely?

3. The total capacity of 9 similar bottles of water is 4.5
    gallons. What is the capacity of 1 bottle in quarts?

4. I drink 0.75 gallons of milk everyday. How many pints of milk
    do I drink in 5 weeks?

5. How many pints of water do you need to fill up a
    10.5 gallon fish tank?

6. What is more: 1,000 gallons of water or 10,000 pints of water?

Answers

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

1. The volume of 1 carton of milk is 0.25 gallons.
   What is the volume of 3 cartons of milk in quarts?

   0.25 x 3 x 4 = 3 quarts of milk
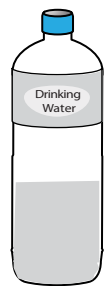
2. A bathtub has a capacity of 100 gallons. With already 80 pints
   of water in the tub, how much more is needed to fill it up completely?

   100 - (80 ÷ 8) = 90 gallons

3. The total capacity of 9 similar bottles of water is 4.5
   gallons.What is the capacity of 1 bottle in quarts?

   (4.5 ÷ 9) x 4 = 2 quarts

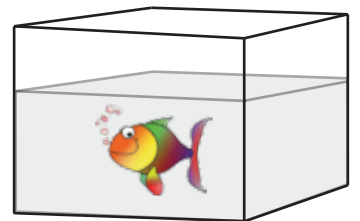4. I drink 0.75 gallons of milk everyday. How many pints of milk
   do I drink in 5 weeks?

   (0.75 x 8) x (5 x 7) = 210 pints of milk

5. How many pints of water do you need to fill up a
   10.5 gallon fish tank?

   10.5 x 8 = 84 pints

6. What is more: 1,000 gallons of water or 10,000 pints of water?

   10,000 pint is more (1,000 x 8 < 10,000)