



4. A 12-oz bottle of pancake syrup costs \$4. A can with half a gallon of pancake syrup costs \$32. Which has better value?
5. A garden hose can fill up a 405-liter pool in 9 minutes. How long does it take to fill up a 90-liter bucket?
6. In the office, there is a water machine that contains 60 gallons of water. There are 44 staff in the office. If each person drinks 36 oz of water in a day, about \_\_\_\_\_ gallons of water are left at the end of the day.
- a. 12
  - b. 30
  - c. 48

## Answers

1.  $95 \text{ ml} \times 15 = 1425 \text{ ml}$   
 $1,425 \text{ ml} = 1.425 \text{ L}$   
She needs 1.425L of milk to make 15 popsicles.
2.  $64 \times \frac{7}{8} - 13 = 56 - 13 = 43$   
She should add 43 more gallons.
3.  $2.16 \text{ L} = 2160 \text{ ml}$   
 $2,160 \div 9 = 240$   
The capacity of a teacup is 240 ml.
4.  $4 \div 12 = \frac{1}{3}$   
The bottle of syrup is  $\$ \frac{1}{3}$  per oz.  
 $0.5 \text{ gallon} = 64 \text{ oz}$   
 $32 \div 64 = \frac{1}{2}$   
The can of syrup is  $\$ \frac{1}{2}$  per oz.  
 $\frac{1}{2} > \frac{1}{3}$   
The 12-oz bottle of pancake has a better value.
5.  $90 \div (405 \div 9) = 2$   
It takes 2 minutes to fill up a 90-liter bucket.
6.  $44 \times 36 = 1,584 \text{ oz}$   
 $1,584 \text{ oz} = 12.38 \text{ gallons}$   
 $60 - 12.38 = 47.87 \text{ gallons}$   
Answer is (c).