

Capacity word problems (metric units)

Grade 5 Word Problems Worksheet

1. The tap can fill up the bathtub in 22 minutes. The capacity of the bathtub is 176 L. How much water is added to the tub per minute?

2. Mrs. Jackson bought 2 cartons of milk which are 2.4 L each. Her three children finished 1.2 L on Monday and 950 ml on Tuesday. How much milk is left?

3. A bee farm can produce 1.24 L of honey every week. But during the last week of May, due to change of weather, the production was decreased by 420 ml. How much honey (measured in ml) was produced during the last week of May?



4. A medium sized orange can make 55 ml of juice. A large orange can make 85 ml of juice. Amelia wants to make 2.5 L of juice, so she bought 20 medium oranges and 15 large oranges. Does she have enough oranges to make 2.5 L of juice?
5. 1 tea bag can brew 180 ml of tea. A box of tea bags come with 24 teabags. How much tea (measured in L) can be made with a box of tea bags?
6. Each batch of cookies requires 60 ml of vanilla extract. A bakery has 16 two-liter bottles of vanilla extract. That and that is enough for about _____ batches of cookies.
- a. 70
 - b. 110
 - c. 500

Answers

- $176 \div 22 = 8$
8 liters of water is added to the rub per minute.
- $2 \times 2.4 \text{ L} - 1.2\text{L} - 950 \text{ ml}$
 $= 4.8 \text{ L} - 1.2 - 0.95 \text{ L}$
 $= 2.65 \text{ L}$
2.65 L of milk is left.
- $1.24 \text{ L} - 420 \text{ ml}$
 $= 1,240 \text{ ml} - 420 \text{ ml}$
 $= 820 \text{ ml}$
- $20 \times 55 \text{ ml} + 15 \times 85 \text{ ml}$
 $= 1,100 \text{ ml} + 1275 \text{ ml}$
 $= 2,375 \text{ ml}$
 $2,375 \text{ ml} = 2.375 \text{ L}$
 $2.375 \text{ L} < 2.5 \text{ L}$
She does not have enough oranges to make 2.5 L of juice.
- $180 \text{ ml} \times 24 = 4,320 \text{ ml}$
 $4,320 \text{ ml} = 4.32 \text{ L}$
4.32 L of tea can be made with a box of tea bags.
- $1 \text{ L} = 1000 \text{ ml}$
 $16 \times 2,000 = 32,000$
 $32,000 \div 60 = 533.33$
Answer is (c).