

Grade 4th Math Worksheet 3 : Measurement of Capacity: Conversions and Operations (Advanced Level)

Name: _____

Date: _____

Instructions:

- Read each question carefully.
 - Circle the correct answer for each question.
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Part 1: Convert the following units of capacity.

1. Convert 18.9 liters to milliliters.
(1 liter = 1,000 milliliters)
Answer: _____
 2. Convert 14.7 liters to milliliters.
(1 liter = 1,000 milliliters)
Answer: _____
 3. Convert 82,500 milliliters to liters.
(1 liter = 1,000 milliliters)
Answer: _____
 4. Convert 6.35 liters to milliliters.
(1 liter = 1,000 milliliters)
Answer: _____
 5. Convert 26,400 milliliters to liters.
(1 liter = 1,000 milliliters)
Answer: _____
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Part 2: Solve the word problems.

6. A swimming pool can hold 150 liters of water. If it loses 2,300 milliliters of water every hour due to evaporation, how many hours will it take for the pool to lose 12 liters of water?

Answer: _____

7. A farm has 30 liters of milk. If each bottle holds 600 milliliters, how many bottles can be completely filled?

Answer: _____

8. A juice jug contains 9.5 liters of juice. If each glass holds 250 milliliters, how many full glasses can be poured from the jug?

Answer: _____

9. A truck can carry 240 liters of water. If it uses 30 liters of water every day, how many days will it take for the truck to use up all its water?

Answer: _____

10. A bakery uses 3.5 liters of batter for each batch of cupcakes. How many batches can be made with 105 liters of batter?

Answer: _____

Part 3: Multi-Step Word Problems

11. A farmer needs 2.5 liters of water per cow per day. If the farm has 40 cows, how many milliliters of water will be needed for the cows in 7 days?

Answer: _____

12. A factory produces 450 milliliters of juice per minute. How many liters of juice will the factory produce in 12 hours?

(Hint: Convert hours to minutes first.)

Answer: _____

13. A pool holds 250 liters of water. If 1,500 milliliters are used every 10 minutes to water plants, how many minutes will it take to use up all the water in the pool?

Answer: _____

14. A water tank has 800 liters of water. If the tank leaks 150 milliliters of water every hour, how many days will it take for the tank to lose 10 liters of water?

Answer: _____

15. A restaurant has 18 liters of soup. If each serving of soup is 350 milliliters, how many servings can be made from the 18 liters of soup?

Answer: _____

Part 4: True or False

16. 0.25 liters is equal to 250 milliliters.

(True/False)

Answer: _____

17. 3,500 milliliters is equal to 3.5 liters.

(True/False)

Answer: _____

18. 6 liters is equal to 600 milliliters.

(True/False)

Answer: _____

19. 9,000 milliliters is equal to 9 liters.

(True/False)

Answer: _____

Part 5: Fill in the blanks.

20. 4.2 liters = _____ milliliters.

21. 5.5 liters = _____ milliliters.

22. 11,000 milliliters = _____ liters.

23. 0.75 liters = _____ milliliters.

Bonus Challenge!

24. A delivery truck carries 2,500 milliliters of milk. If the truck needs to deliver 15,000 milliliters to each of 5 stores, how many milliliters of milk will the truck deliver in total?

Answer: _____

25. A school needs to buy 150 liters of juice for a party. If each container holds 2 liters, how many containers will the school need to buy?

Answer: _____