Grade 4th Math Worksheet 2 : Measurement of Capacity: Conversions and Operations (Advanced Level)

Name: _____

Date: _____

Instructions:

- Read each question carefully.
- Circle the correct answer for each question.

Part 1: Convert the following units of capacity.

1. Convert 35.6 liters to milliliters.
   (1 liter = 1,000 milliliters)
   Answer: _____
2. Convert 9.85 liters to milliliters.
   (1 liter = 1,000 milliliters)
   Answer: _____
3. Convert 72,300 milliliters to liters.
   (1 liter = 1,000 milliliters)
   Answer: _____
4. Convert 5.125 liters to milliliters.
   (1 liter = 1,000 milliliters)
   Answer: _____
5. Convert 19,800 milliliters to liters.
   (1 liter = 1,000 milliliters)
   Answer: _____

Part 2: Solve the word problems.

6. A swimming pool holds 120 liters of water. If it loses 2,500 milliliters of water each day due to evaporation, how many days will it take for the pool to lose 15 liters of water?
Answer: _____

7. A farm has 25 liters of milk. If each bottle holds 750 milliliters, how many full bottles can be filled?
Answer: _____

8. A juice bottle contains 4.5 liters of juice. If each serving is 250 milliliters, how many servings can be poured from the bottle?
Answer: _____

9. A truck carries 200 liters of fuel. If 18 liters are used each day, how many days will it take for the truck to run out of fuel?
Answer: _____

10. A bakery uses 1.25 liters of batter for each batch of cupcakes. How many liters of batter will be used for 48 batches?
Answer: _____

Part 3: Multi-Step Word Problems

11. A school needs 3 liters of milk for each lunch. If 30 schools are being served, how many milliliters of milk are needed in total?
Answer: _____

12. A container holds 10 liters of water. If 250 milliliters of water are used every hour, how many hours will it take to empty the container?
Answer: _____

13. A farm has 120 liters of water. Each cow drinks 5 liters of water per day. How many days can the farm support 15 cows with the available water?
Answer: _____

14. A pool is being filled at a rate of 1,200 milliliters per minute. If it takes 20 minutes to fill a pool, how many liters of water will be added to the pool in 20 minutes?
Answer: _____

15. A factory produces 300 milliliters of juice per minute. How many liters of juice will the factory produce in 8 hours?
(Hint: Convert the time to minutes first.)
Answer: _____

Part 4: True or False

16. 500 milliliters is equal to 0.5 liters.
    (True/False)
    Answer: _____
17. 30 liters is equal to 3,000 milliliters.
    (True/False)
    Answer: _____
18. 0.75 liters is the same as 750 milliliters.
    (True/False)
    Answer: _____
19. 10,000 milliliters is equal to 100 liters.
    (True/False)
    Answer: _____

Part 5: Fill in the blanks.

20. 3.6 liters = _____ milliliters.
21. 8.25 liters = _____ milliliters.
22. 15,000 milliliters = _____ liters.
23. 0.05 liters = _____ milliliters.

Bonus Challenge!

24. A delivery truck has 2,400 milliliters of fuel in its tank. If the truck uses 200 milliliters of fuel per mile, how many miles can the truck travel before running out of fuel?
    Answer: _____
25. A school orders 5 liters of juice for a party. Each glass holds 150 milliliters. How many full glasses can be served to the students?
    Answer: _____

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