CREST

Olympiads

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CREST Mathematics Olympiad (CMO)
Worksheet *for*

Class 2

Worksheet on Capacity

1. **If a red drum can hold 10 gallons of water, a blue drum can hold 7 gallons of water and a green drum can hold 5 gallons of water, then what is the total capacity of all the drums given below?**

   a. 31 gallons
   b. 41 gallons
   c. 51 gallons
   d. 61 gallons

2. **If each cup can hold 2 pints of tea, then what is the total capacity of the cups in quarts given below?**

   a. 4 quarts
   b. 8 quarts
   c. 12 quarts
   d. 16 quarts

3. **If a coke bottle contains 200 mL, then what is the total capacity of coke?**

    a. 1 L 400 mL
    b. 1 L 600 mL
    c. 1 L 800 mL
    d. 2 L

4. **A car can travel a distance of 10 km with 500 ml of petrol. How much petrol will the car need to cover 100 km?**

    a. 5 litres
    b. 8 litres
    c. 10 litres
    d. 15 litres

5. **A jar contains 2800 mL of milk. If 625 mL is poured out into the glass, how many litres and millilitres of milk is left in the jar?**

a. 2 L 75 mL
b. 2 L 175 mL
c. 2 L 275 mL
d. 2 L 375 mL

Answer Key

1. c - 51 gallons

Explanation: Capacity of the water in a red drum = 10 gallons
Total capacity of the water in 2 red drums = 2 × 10 = 20 gallons
Capacity of the water in a blue drum = 7 gallons
Total capacity of the water in 3 blue drums = 3 × 7 = 21 gallons
Capacity of the water in a green drum =5 gallons
Total capacity of the water in 2 green drums = 2 × 5 = 10 gallons

The total capacity of all the drums = 20 + 21 + 10 = 51 gallons

2. b - 8 quarts

Explanation: Capacity of a cup of tea = 2 pints
Total capacity of 8 cups of tea = 8 × 2 = 16 pints
Total capacity of 8 cups of tea in quarts = 16 ÷ 2 = 8 quarts.

3. b - 1 L 600 mL

Explanation: Capacity of a coke bottle = 200 mL
Total capacity of 8 coke bottles = 8 × 200 mL
= 1600 mL
= 1000 mL + 600 mL
= 1 L+ 600 mL
= 1 L 600 mL

4. a - 5 litres

Explanation: Petrol needed by car to cover 10 km = 500 mL
petrol needed by car to cover 1 km = 500 ÷ 10 = 50 mL
petrol needed by car to cover 100 km = 50 x 100 = 5000 mL
= 5000 ÷ 1000
= 5 litres

5. b - 2 L 175 mL

Explanation: Capacity of milk in jar = 2800 mL
Capacity of milk poured into the glass = 625 mL
Capacity of milk left in the jar = 2800 − 625
= 2175 mL
= 2000 mL + 175 mL
= 2 L + 175 mL
= 2 L 175 mL

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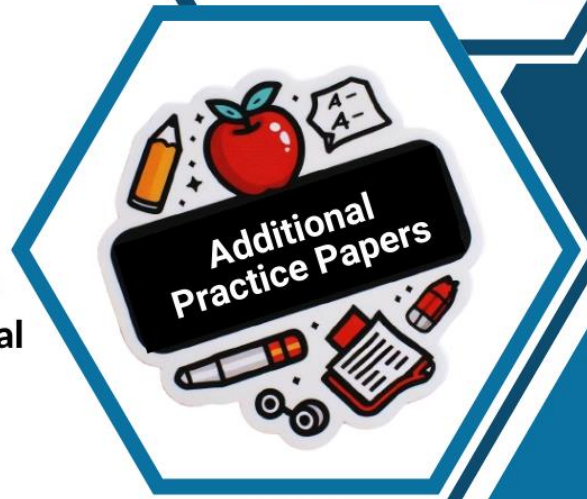2. Go to Dashboard -> Additional Practice -> Buy

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