



# ST. LAWRENCE HIGH SCHOOL



A Jesuit Christian Minority Institution

**Sub: Arithmetic**  
**Duration: 40 Min**

**Class: 7**  
**Worksheet Solution 34**  
**CUBE AND CUBOID**

**Date: 10.07.21**  
**Full Marks: 15**

**Choose the correct options:**

- Q1. Find the total surface area of a cube whose sides are 5 cm  
(a)  $125 \text{ cm}^3$  (b)  **$150 \text{ cm}^2$**  (c)  $100 \text{ cm}^2$  (d)  $150 \text{ m}^2$
- Q2. Find the volume of a cube of sides 3 cm  
(a)  **$27 \text{ cm}^3$**  (b)  $54 \text{ cm}^2$  (c)  $36 \text{ cm}^2$  (d)  $27 \text{ cm}^2$
- Q3. Find the total area of the walls of a room whose sides are 10 m x 10 m x 10 m  
(a)  $1000 \text{ m}^3$  (b)  $600 \text{ m}^2$  (c)  **$400 \text{ m}^2$**  (d)  $100 \text{ m}^2$
- Q4. Find the amount of water held in a tank of dimension 2 m x 2 m x 2 m  
(a)  **$8 \text{ m}^3$**  (b)  $32 \text{ m}^2$  (c)  $16 \text{ m}^2$  (d)  $16 \text{ cm}^2$
- Q5. Find the volume of a cube of sides 5 cm  
(a)  **$125 \text{ cm}^3$**  (b)  $150 \text{ cm}^2$  (c)  $100 \text{ cm}^2$  (d)  $150 \text{ m}^2$
- Q6. Find the total surface area of a cube whose sides are 3 cm  
(a)  $27 \text{ cm}^3$  (b)  **$54 \text{ cm}^2$**  (c)  $36 \text{ cm}^2$  (d)  $27 \text{ cm}^2$
- Q7. Find the volume of a cube of sides 10 m  
(a)  **$1000 \text{ m}^3$**  (b)  $600 \text{ m}^2$  (c)  $400 \text{ m}^2$  (d)  $100 \text{ m}^2$
- Q8. Find the total surface area of a cube whose sides are 10 m  
(a)  $1000 \text{ m}^3$  (b)  **$600 \text{ m}^2$**  (c)  $400 \text{ m}^2$  (d)  $100 \text{ m}^2$
- Q9. Find the total surface area of a cuboid whose sides are 5 cm x 6 cm x 4 cm  
(a)  $120 \text{ cm}^3$  (b)  **$148 \text{ cm}^2$**  (c)  $44 \text{ cm}^2$  (d)  $148 \text{ m}^2$
- Q10. Find the volume of a cuboid of sides 3 cm x 4 cm x 8 cm  
(a)  **$96 \text{ cm}^3$**  (b)  $68 \text{ cm}^2$  (c)  $56 \text{ cm}^2$  (d)  $68 \text{ m}^2$
- Q11. Find the total area of the walls of a room whose sides are 10 m x 15 m x 4 m  
(a)  $600 \text{ m}^3$  (b)  $250 \text{ m}^2$  (c)  **$100 \text{ m}^2$**  (d)  $25 \text{ m}^2$
- Q12. Find the amount of water held in a tank of dimension 2 m x 2 m x 1m  
(a)  **$4 \text{ m}^3$**  (b)  $8 \text{ m}^2$  (c)  $4 \text{ m}^2$  (d)  $16 \text{ m}^2$
- Q13. Find the volume of a cuboid of sides 5 cm x 6 cm x 4 cm  
(a)  **$120 \text{ cm}^3$**  (b)  $148 \text{ cm}^2$  (c)  $44 \text{ cm}^2$  (d)  $148 \text{ m}^2$
- Q14. Find the total surface area of a cuboid whose sides are 3 cm x 4 cm x 8 cm  
(a)  $96 \text{ cm}^3$  (b)  **$68 \text{ cm}^2$**  (c)  $56 \text{ cm}^2$  (d)  $68 \text{ m}^2$
- Q15. Find the volume of a cuboid of sides 10 m x 15 m x 4 m  
(a)  **$600 \text{ m}^3$**  (b)  $250 \text{ m}^2$  (c)  $100 \text{ m}^2$  (d)  $25 \text{ m}^2$