



# ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



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

**Class: 7**  
**Worksheet Solutions 45**  
**CUBE AND CUBOID**

**Date: 30.06.20**  
**Full Marks: 15**

**Choose the correct options:**

- Q1. Find the total surface area of a cube whose sides are 2 m  
(a)  $8 \text{ m}^3$  (b)  **$24 \text{ m}^2$**  (c)  $16 \text{ m}^2$  (d)  $16 \text{ cm}^2$
- Q2. Find the volume of a cube whose sides are 8 cm  
(a)  **$512 \text{ cm}^3$**  (b)  $384 \text{ cm}^2$  (c)  $256 \text{ cm}^2$  (d)  $800 \text{ m}^2$
- Q3. Find the total surface area of a cube whose sides are 6 m  
(a)  $216 \text{ m}^3$  (b)  **$216 \text{ m}^2$**  (c)  $144 \text{ m}^2$  (d)  $216 \text{ cm}^2$
- Q4. Find the volume of a cube of sides 6 m  
(a)  **$216 \text{ m}^3$**  (b)  $216 \text{ m}^2$  (c)  $144 \text{ m}^2$  (d)  $216 \text{ cm}^2$
- Q5. Find the total surface area of a cube of sides 4 cm  
(a)  $64 \text{ cm}^3$  (b)  **$96 \text{ cm}^2$**  (c)  $64 \text{ cm}^2$  (d)  $16 \text{ cm}^2$
- Q6. Find the total surface area of a cube of sides 7 m  
(a)  $343 \text{ m}^3$  (b)  **$294 \text{ m}^2$**  (c)  $196 \text{ m}^2$  (d)  $98 \text{ m}^2$
- Q7. Find the volume of a cube of sides 7 m  
(a)  **$343 \text{ m}^3$**  (b)  $294 \text{ m}^2$  (c)  $196 \text{ m}^2$  (d)  $98 \text{ m}^2$
- Q8. Find the total surface area of a cuboid 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)  $25 \text{ m}^2$
- Q9. Find the total surface area of a cuboid whose sides are 2 m x 2 m x 1m  
(a)  $4 \text{ m}^3$  (b)  **$16 \text{ m}^2$**  (c)  $4 \text{ m}^2$  (d)  $16 \text{ m}^2$
- Q10. Find the volume of a cuboid whose sides are 2 cm x 3 cm x 5 mm  
(a)  **$3 \text{ cm}^3$**  (b)  $8.5 \text{ cm}^2$  (c)  $2.5 \text{ cm}^2$  (d)  $8.5 \text{ m}^2$
- Q11. Find the total surface area of a cuboid whose sides are 3 cm x 10 mm x 50 mm  
(a)  $1500 \text{ cm}^3$  (b)  **$46 \text{ cm}^2$**  (c)  $2 \text{ cm}^2$  (d)  $5 \text{ m}^2$
- Q12. Find the volume of a cuboid of sides 3 cm x 100 mm x 500 mm  
(a)  **$15 \text{ cm}^3$**  (b)  $5 \text{ cm}^2$  (c)  $2 \text{ cm}^2$  (d)  $5 \text{ m}^2$
- Q13. Find the total surface area of a cuboid of sides 2 cm x 3 cm x 5 mm  
(a)  $4 \text{ cm}^3$  (b)  **$62 \text{ cm}^2$**  (c)  $4 \text{ m}^2$  (d)  $16 \text{ cm}^2$
- Q14. Find the total surface area of a cuboid of sides 2 m x 3 m x 4 m  
(a)  $24 \text{ m}^3$  (b)  **$52 \text{ m}^2$**  (c)  $20 \text{ m}^2$  (d)  $25 \text{ m}^2$
- Q15. Find the volume of a cuboid of sides 2 m x 3 m x 4 m  
(a)  **$24 \text{ m}^3$**  (b)  $26 \text{ m}^2$  (c)  $20 \text{ m}^2$  (d)  $25 \text{ m}^2$