

# Start Tasks - Answers



**1. Cube side 4 cm**

$$SA = 6(4^2) = 6(16) = 96 \text{ cm}^2$$

**2. Cube side 7 m**

$$SA = 6(7^2) = 6(49) = 294 \text{ m}^2$$

**3. Cuboid  $8 \times 3 \times 2$  cm**

$$SA = 2(8 \cdot 3 + 8 \cdot 2 + 3 \cdot 2) = 2(46) = 92 \text{ cm}^2$$

**4. Cuboid  $10 \times 4 \times 2$  m**

$$SA = 2(10 \cdot 4 + 10 \cdot 2 + 4 \cdot 2) = 2(68) = 136 \text{ m}^2$$

# Start Tasks - Answers



**7. Top+bottom of  $9 \times 5 \times 4$**

$$2(9 \times 5) = 2(45) = 90 \text{ cm}^2$$

**8. Four side faces**

$$2(9 \times 4) + 2(5 \times 4) = 72 + 40 = 112 \text{ cm}^2$$

**9. Gift box  $12 \times 5 \times 3$  cm**

$$SA = 2(60 + 36 + 15) = 2(111) = 222 \text{ cm}^2$$

**10. Fish tank (no lid)**

$$\text{Base+sides: } 1000 + 3900 = 4900 \text{ cm}^2$$

# Start Tasks - Answers



**13. Top/bottom total  $96 \text{ cm}^2$   
 $2(8 \times 6) = 96$ , consistent**

**14. Why square units?  
SA is 2D area, so  $\text{cm}^2$  not  $\text{cm}^3$**

**15. Cube 0.5 m  
 $\text{SA} = 6(0.5^2) = 6(0.25) = 1.5 \text{ m}^2$**

**16. Cuboid  $7 \times 2 \times 5$   
 $\text{SA} = 2(14+35+10) = 2(59) = 118 \text{ cm}^2$**