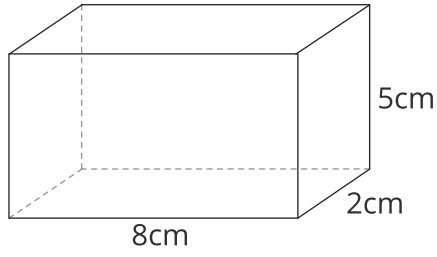




1. For each question, calculate the total surface area.

a.



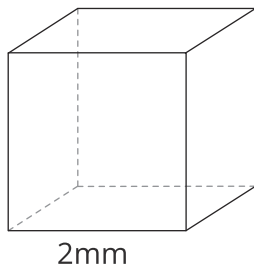
---

---

---

---

b.



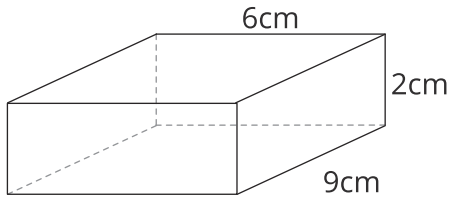
---

---

---

---

c.



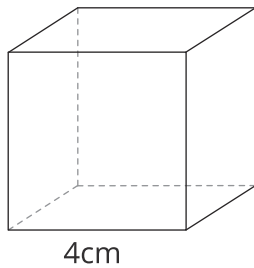
---

---

---

---

d.



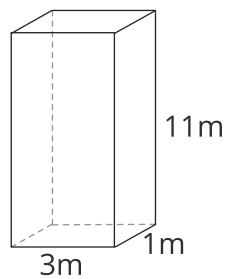
---

---

---

---

e.



---

---

---

---



2. Calculate the total surface area of a cube with a side length of 11cm.

---

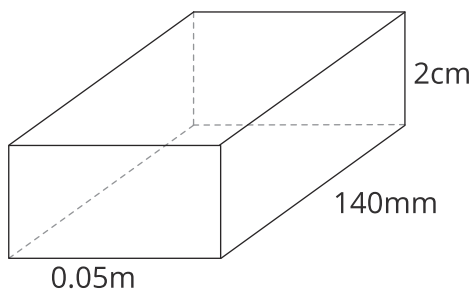
---

3. Calculate the total surface area of a cube with a side length of  $\frac{1}{2}$ cm.

---

---

4. Find the total surface area of the shape, giving your answer in square centimetres.



---

---

---

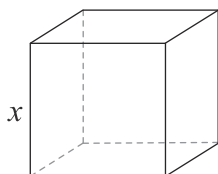
---

---

---

---

5. If the cube has a surface area of  $54\text{cm}^2$ , find the value of  $x$ .



---

---

---

**Challenge**

A cube has a volume of  $1000\text{cm}^3$ . Calculate its total surface area.

---

---

---