

③ surface area of cube = 600 cm^2

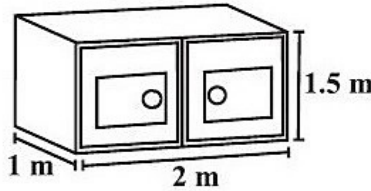
$$6e^2 = \cancel{600} 100$$

$$\Rightarrow e = \sqrt{100}$$

$$= 10 \text{ cm}$$

volume of cube = e^3
 $= 10^3$
 $= 1000 \text{ cm}^3$

④



area to be painted = $2h(l+b) + lb$

$$= 2 \times 1.5 (2+1) + 2 \times 1$$

$$= 3 \times 3 + 2$$

$$= 9 + 2$$

$$= 11 \text{ m}^2$$