



$$\begin{aligned} \text{TSA of cube} &= 6e^2 \\ &= 6 \times 10^2 \\ &= 600 \text{ cm}^2 \end{aligned}$$

area of glass

$$\begin{aligned} &= 2(lb + bh + lh) \\ &= 2(30 \times 25 + 25 \times 25 + 25 \times 30) \\ &= 2 \times 25(30 + 25 + 30) \\ &= 50 \times 85 \\ &= 4250 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} \text{T.S.A of cuboid} &= 2(lb + bh + lh) \\ &= 2(12.5 \times 10 + 10 \times 8 + 8 \times 12.5) \\ &= 2(125 + 80 + 100) \\ &= 2 \times 305 \\ &= 610 \text{ cm}^2 \end{aligned}$$

length of tape

cuboid has greater
T.S.A by $610 - 600$
 $= 10 \text{ cm}^2$

$$\begin{aligned} &= 4(l + b + h) \\ &= 4(30 + 25 + 25) \\ &= 4 \times 80 \\ &= 320 \text{ cm} \end{aligned}$$

$$\begin{aligned} \text{LSA of cube} &= 4e^2 \\ &= 4 \times 10^2 \\ &= 400 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} \text{LSA of cuboid} &= 2h(l + b) \\ &= 2 \times 8(12.5 + 10) \\ &= 16 \times 22.5 \\ &= 360 \text{ cm}^2 \end{aligned}$$

cube has greater LSA
by $400 - 360$
 $= 40 \text{ cm}^2$