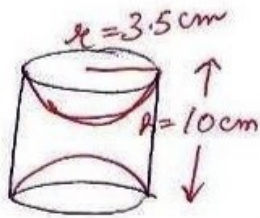


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ex. 13.1

$$\begin{aligned} \text{total s.a of solid} &= \text{CSA of 2 h.s} \\ &\quad + \text{CSA of cylinder} \\ &= 2 \times 2\pi r^2 + 2\pi rh \\ &= 2\pi r(2r + h) \\ &= 2 \times \frac{22}{7} \times 3.5(7 + 10) \\ &= 22 \times 17 \\ &= 374 \text{ cm}^2 \end{aligned}$$