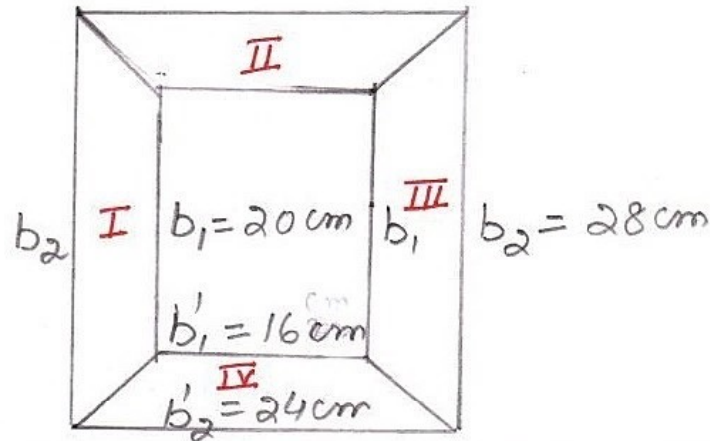


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$$\begin{aligned}
 \text{area of section I/III} &= \frac{1}{2} (b_1 + b_2) h \\
 &= \frac{1}{2} (20 + 28) \times 4 \\
 &= 48 \times 2 \\
 &= 96 \text{ cm}^2
 \end{aligned}$$

$$\begin{aligned}
 \text{area of section II/IV} &= \frac{1}{2} \times (b'_1 + b'_2) h \\
 &= \frac{1}{2} (16 + 24) \times 4 \\
 &= \frac{1}{2} \times 40 \times 4 \\
 &= 80 \text{ cm}^2
 \end{aligned}$$