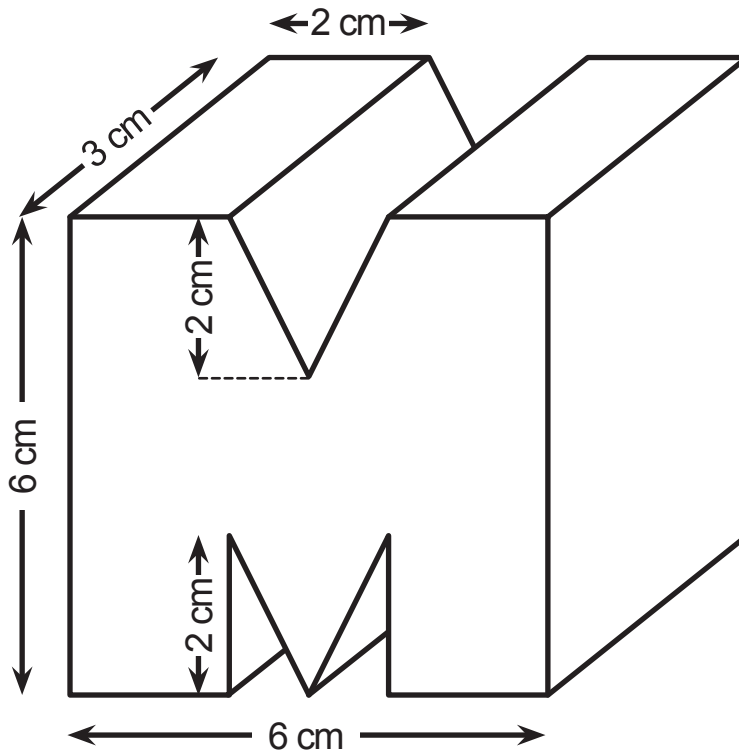




VOLUME

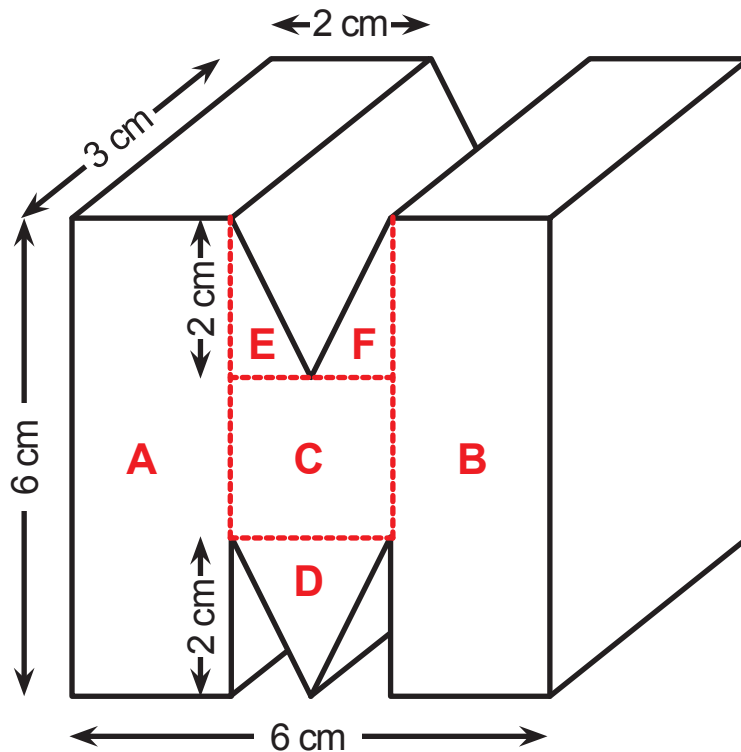
Find the volume of the solid “M”.





ANSWER TO

VOLUME



Cut the solid into 6 blocks — A, B, C, D, E and F.

Volume of A = Volume of B

Volume of E = Volume of F

In fact, Volume of E + Volume of F = Volume of D

and Volume of D = $\frac{1}{2} \times$ Volume of C

So Volume of (D + E + F) = Volume of C

$$\begin{aligned}\text{Volume of solid} &= 6 \times 2 \times 3 + 6 \times 2 \times 3 + 2 \times 2 \times 3 + 2 \times 2 \times 3 \\ &= 96 \text{ cm}^3\end{aligned}$$