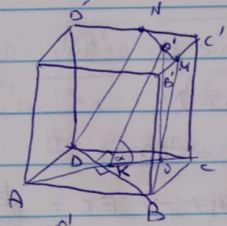


3.55
6

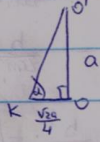


DC 8'nik MN 8'nikul p'k 2'ul/ (1)

$$KC = \frac{1}{2} AC = \frac{\sqrt{2}a}{2}$$

ABCD n' O' 8'nik, MN 8'nik o'
. KC 8'nik o' 12'ul. o' p' 1'ul

$$KO = \frac{\sqrt{2}}{4} a$$



$$\tan \alpha = \frac{a}{\frac{\sqrt{2}a}{4}} = 2\sqrt{2}$$

$$MN = \frac{1}{2} B'D' = \frac{\sqrt{2}a}{2} \quad (\text{O.K. 2'ul}) \quad (2)$$

$$K'O = \frac{a}{\sin \alpha} \quad \text{son'in 2'ul 1'ul KO'}$$

$$1 + \tan^2 \alpha = \frac{1}{\cos^2 \alpha} \quad \leftarrow \quad \tan \alpha = 2\sqrt{2} \quad \text{2'ul 1'ul}$$

$$1 + 8 = \frac{1}{\cos^2 \alpha} \rightarrow \cos^2 \alpha = \frac{1}{9} \rightarrow \sin \alpha = \frac{\sqrt{8}}{3} \rightarrow K'O = \frac{3a}{\sqrt{8}}$$

$$S_{\text{DBMN}} = \frac{1}{2} \cdot \frac{3a}{\sqrt{8}} \left(\sqrt{2}a + \frac{\sqrt{2}a}{2} \right) = a^2 \left(\frac{3\sqrt{2}}{2\sqrt{8}} + \frac{3\sqrt{2}}{4\sqrt{8}} \right) = a^2 \left(\frac{3}{4} + \frac{3}{8} \right) = \frac{9}{8} a^2$$