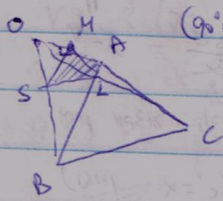
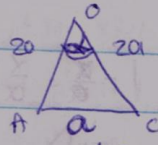


3.30
8

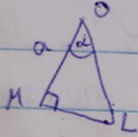


(90° = ∠SML) ΔSML n GO n K NBNF, 123



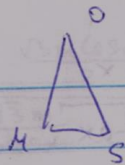
$$0^2 = 4a^2 + 4a^2 - 2 \cdot 4a^2 \cos \alpha$$

$$\cos \alpha = \frac{7}{8}$$

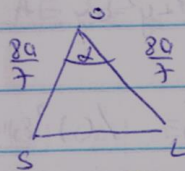


$$\frac{a}{OL} = \cos \alpha \rightarrow OL = \frac{8a}{7}$$

$$ML = \sqrt{OL^2 - OM^2} = \frac{\sqrt{15}a}{7}$$

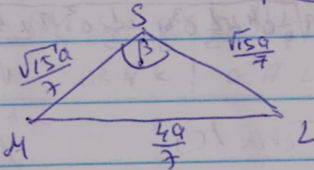


$OS = \frac{8a}{7}$, $MS = \frac{\sqrt{15}a}{7}$ n 132 n 3 n 123



$$SL^2 = \frac{64a^2}{49} + \frac{64a^2}{49} - 2 \cdot \frac{64a^2}{49} \cdot \frac{7}{8} = \frac{16a^2}{49}$$

$$SL = \frac{4a}{7}$$



n m n 123

$$\frac{16a^2}{49} = \frac{15a^2}{49} + \frac{15a^2}{49} - 2 \cdot \frac{15a^2}{49} \cos \beta \rightarrow \cos \beta = \frac{7}{15}$$

$$\sin \beta = \sqrt{1 - \frac{49}{225}} = \frac{4\sqrt{11}}{15}$$

$$S_{\Delta SML} = \frac{1}{2} \left(\frac{\sqrt{15}a}{7} \right)^2 \cdot \frac{4\sqrt{11}}{15} = \frac{2\sqrt{11}}{49}$$