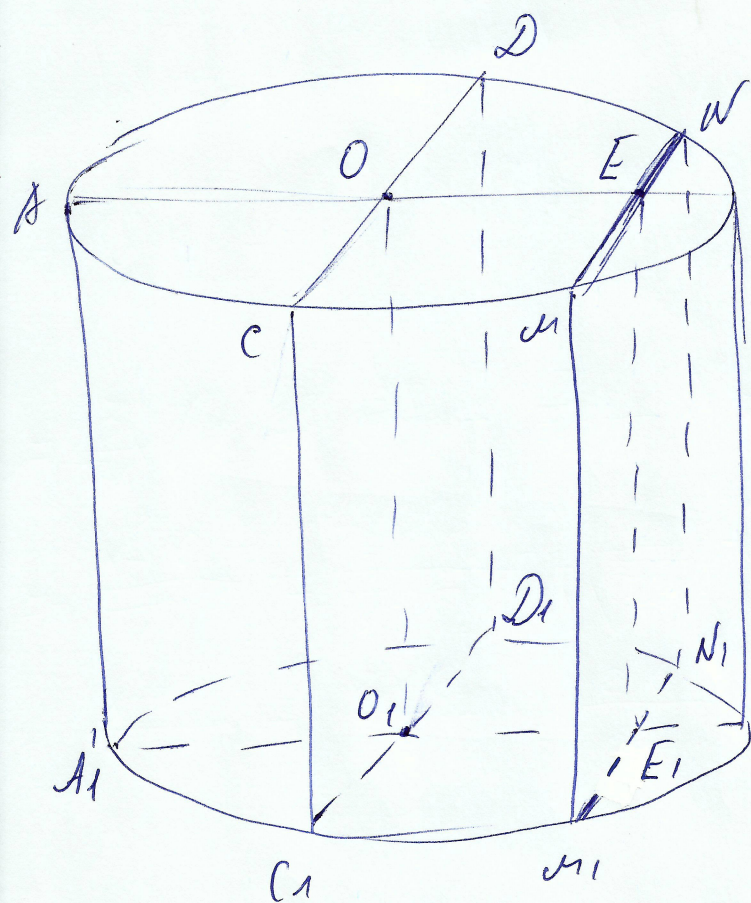




$$OA = 10 \text{ cm}$$

$$AB = BB_1$$

$$OE = 8 \text{ cm}$$

$$S_{CC_1D_1D} = ?$$

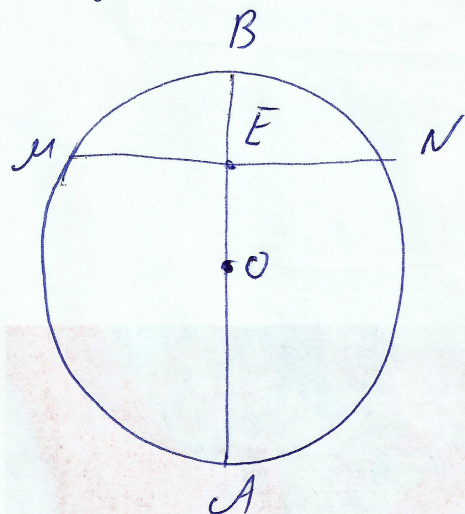
$$S_{MM_1N_1N} = ?$$

$$CD = 2R = 20 \text{ cm}$$

$$S_{CC_1D_1D} = CD^2 = 20^2 = 400 \text{ cm}^2$$

$$S_{MM_1N_1N} = MM_1 \cdot MN$$

$$MM_1 = CC_1 = 20 \text{ cm}$$



Стенка 20 см

$$EN^2 = EA \cdot EB \Rightarrow EN = \sqrt{EA \cdot EB}$$

$$MN = 2\sqrt{EA \cdot EB}$$

$$EA = OA + OE = 10 + 8 = 18 \text{ cm}$$

$$EB = OB - OE = 10 - 8 = 2 \text{ cm}$$

$$MN = 2\sqrt{18 \cdot 2} = 2\sqrt{36} = 2 \cdot 6 = 12 \text{ cm}$$

$$S_{MM_1N_1N} = 20 \cdot 12 = 240 \text{ cm}^2$$