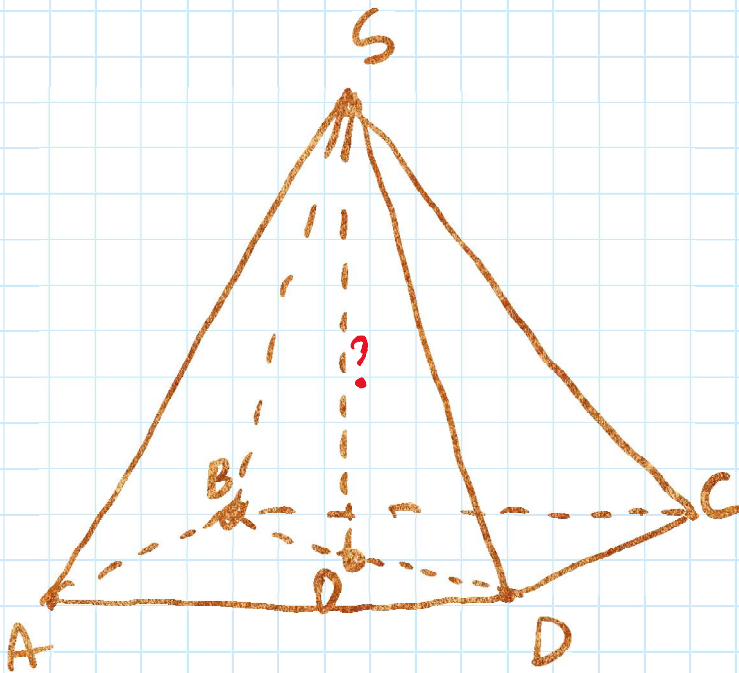


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Дано
 $S-ABCD$, $ABCD$ - квадрат

$$BD = 20 \text{ см}$$

$$SA = 26 \text{ см}$$

$$SO = ?$$

O - середина $BD \Rightarrow$
 $\Rightarrow BO = 10 \text{ см} = OD$

из $\triangle SOD$ ($\angle O = 90^\circ$): $SD^2 = SO^2 + OD^2$

$$SD = SA = 26 \text{ см} \Rightarrow 26^2 = SO^2 + 10^2$$

$$SO^2 = 16 \cdot 36$$

$$SO = 4 \cdot 6 = 24 \text{ см}$$