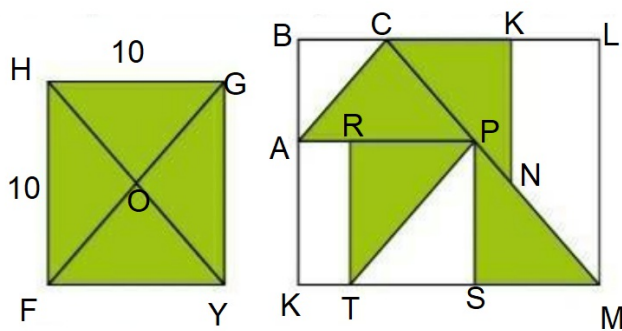


$$HG=HF=10\text{cm} \Rightarrow HY=10\sqrt{2}\text{cm} \Rightarrow$$

$$HO=OY=AC=CP=CK=KN=PS=SM=RP=RT=5\sqrt{2}\text{ cm}$$

$$HG=AP=CN=TP=PM=10\text{ cm}$$



$$\Rightarrow BC=AB=AC \cdot \cos 45^\circ = 5\sqrt{2} \cdot \frac{\sqrt{2}}{2} = 5\text{cm}$$

$$\Rightarrow BK=AB+AK=AB+RT=5+5\sqrt{2}\text{ cm}$$

$$KM=BL=SM+ST+AR$$

$$AR=AP-RP=10-5\sqrt{2}$$

$$\Rightarrow KM=BL=5\sqrt{2} + 5\sqrt{2} + 10 - 5\sqrt{2} = 10 + 5\sqrt{2}$$

$$S(\text{BLMK}) = (5 + 5\sqrt{2}\text{ cm})(10 + 5\sqrt{2}) = 50 + 50 + 75\sqrt{2} = 100 + 75\sqrt{2}\text{ cm}^2$$

Площадь незакрашенной части  $S_{\text{н}} = S(\text{BLMK}) - 4 \cdot S(\text{ACP})$

$$S(\text{ACP}) = \frac{CA^2}{2} = \frac{(5\sqrt{2})^2}{2} = 25\text{ cm}^2 \Rightarrow S_{\text{н}} = 100 + 75\sqrt{2} - 4 \cdot 25 = 75\sqrt{2}\text{ cm}^2$$