



$$\begin{array}{l} \overline{BC} \cong \overline{CA} \\ \overline{AB} + \overline{CH} = 88 \text{ cm} \\ \overline{AB} = \frac{8}{3} \overline{CH} \end{array} \quad \left| \begin{array}{l} \overline{AK} \end{array} \right.$$

$$\overline{AB} : \overline{CH} = 8 : 3$$

$$(\overline{AB} + \overline{CH}) : \overline{AB} = (8 + 3) : 8$$

$$88 : \overline{AB} = 11 : 8$$

$$\overline{AB} = \frac{88 \cdot 8}{11} = 64 \text{ cm}$$

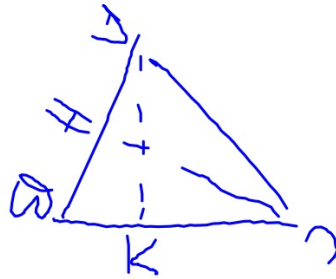
$$\overline{CH} = (\overline{AB} + \overline{CH}) - \overline{AB} = 88 - 64 = 24 \text{ cm}$$

$$\overline{HB} = \overline{AB} : 2 = 64 : 2 = 32 \text{ cm}$$

$$\overline{BC} = \sqrt{\overline{HB}^2 + \overline{CH}^2} = \sqrt{32^2 + 24^2} = \dots = 40 \text{ cm}$$



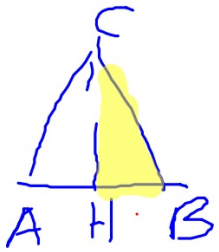
$$A = \frac{AB \cdot CH}{2}$$



$$A = \frac{BC \cdot AK}{2}$$

$$A = \frac{AB \cdot CH}{2} = \frac{64 \cdot 24}{2} = 768 \text{ cm}^2$$

$$AK = \frac{A \cdot 2}{BC} = \frac{768 \cdot 2}{20} = 76,8$$



$$\begin{array}{l|l} \overline{BC} = \overline{AC} & \text{D} \\ \overline{BC} - \overline{CH} = 6 \text{ cm} & \text{C} \\ \overline{BC} = \frac{5}{4} \overline{CH} & \text{A} \end{array}$$

$$\overline{BC} : \overline{CH} = 5 : 4$$

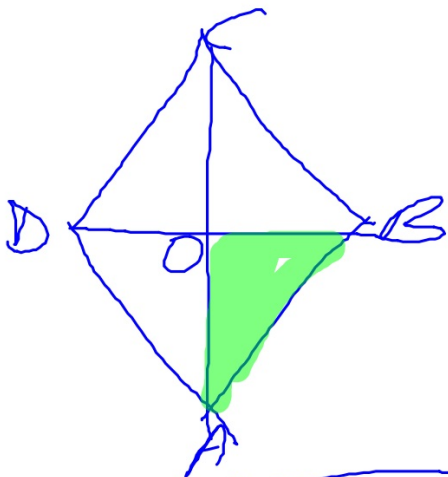
$$(\overline{BC} - \overline{CH}) : \overline{BC} = (5 - 4) : 5$$

$$6 : \overline{BC} = 1 : 5$$

$$\overline{BC} = \frac{6 \cdot 5}{1} = 30 \text{ cm}$$

$$\overline{CH} = \overline{BC} - (\overline{BC} - \overline{CH}) = 30 - 6 = 24 \text{ cm}$$

$$\begin{aligned} \overline{HB} &= \sqrt{\overline{BC}^2 - \overline{CH}^2} = \sqrt{30^2 - 24^2} = \sqrt{900 - 576} = \sqrt{324} \\ &= 18 \text{ cm} \end{aligned}$$



$$\overline{BO} = BD : 2$$

$$\overline{OA} = AC : 2$$

$$\overline{AB} = \sqrt{BO^2 + OA^2}$$

$$\overline{BO} = \sqrt{AB^2 - OA^2} \longrightarrow BD = BO \cdot 2$$

$$\overline{OA} = \sqrt{AB^2 - BO^2} \longrightarrow AC = OA \cdot 2$$