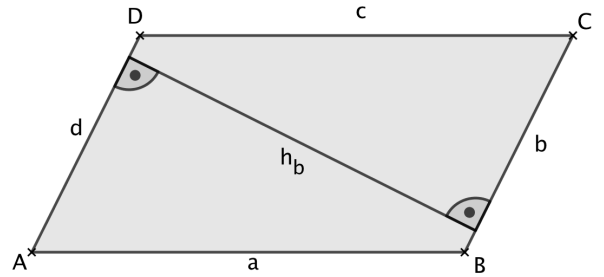


Lösungen ,4 Aufgaben'

1.

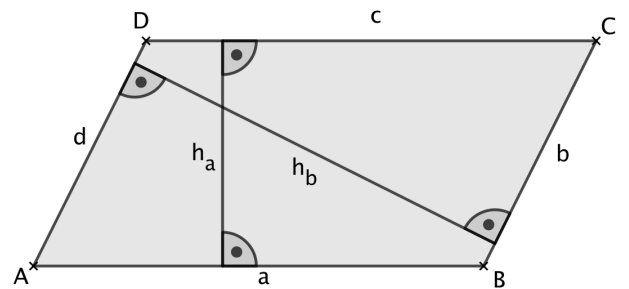
$$\begin{aligned} b &= A : h_b \\ &= 0,8\text{m}^2 : 50\text{cm} \\ &= 80\text{dm}^2 : 5\text{dm} \\ &= \underline{16\text{dm}} \end{aligned}$$



$$\begin{aligned} u &= 2 \cdot a + 2 \cdot b \\ &= 2 \cdot 8\text{dm} + 2 \cdot 16\text{dm} \\ &= 16\text{dm} + 32\text{dm} \\ &= \underline{48\text{dm}} \end{aligned}$$

2.

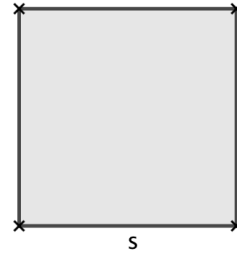
$$\begin{aligned} b &= A : h_b \\ &= 9'600\text{m}^2 : 64\text{m} \\ &= \underline{150\text{m}} \end{aligned}$$



$$\begin{aligned} a &= \frac{u}{2} - b \\ &= \frac{540\text{m}}{2} - 150\text{m} \\ &= 270\text{m} - 150\text{m} \\ &= \underline{120\text{m}} \end{aligned}$$

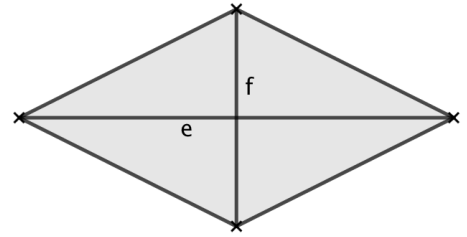
$$\begin{aligned} h_a &= A : a \\ &= 9'600\text{m}^2 : 120\text{m} \\ &= \underline{80\text{m}} \end{aligned}$$

$$\begin{aligned}
 3. \quad s &= u : 4 \\
 &= 36\text{cm} : 4 \\
 &= \underline{9\text{cm}}
 \end{aligned}$$



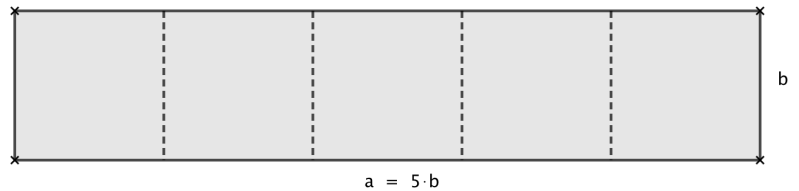
$$\begin{aligned}
 A_Q &= s \cdot s \\
 &= 9\text{cm} \cdot 9\text{cm} \\
 &= \underline{81\text{cm}^2}
 \end{aligned}$$

$$A_R = \frac{e \cdot f}{2}$$



$$\begin{aligned}
 f &= 2 \cdot A_R : e \\
 &= 2 \cdot 81\text{cm}^2 : 20\text{cm} \\
 &= 162\text{cm}^2 : 20\text{cm} \\
 &= \underline{8,1\text{cm}}
 \end{aligned}$$

$$4. \quad a = 5 \cdot b$$



$$\begin{aligned}
 u &= 2 \cdot a + 2 \cdot b &= 2 \cdot 5 \cdot b + 2 \cdot b \\
 &= 10 \cdot b + 2 \cdot b &= \underline{12 \cdot b}
 \end{aligned}$$

$$\begin{aligned}
 b &= u : 12 &= 1,8\text{m} : 12 \\
 &= 180\text{cm} : 12 &= \underline{15\text{cm}}
 \end{aligned}$$

$$a = 5 \cdot b = 5 \cdot 15\text{cm} = \underline{75\text{cm}}$$

$$A = a \cdot b = 75\text{cm} \cdot 15\text{cm} = \underline{1'125\text{cm}^2}$$