Lösungen ‚4 Aufgaben'

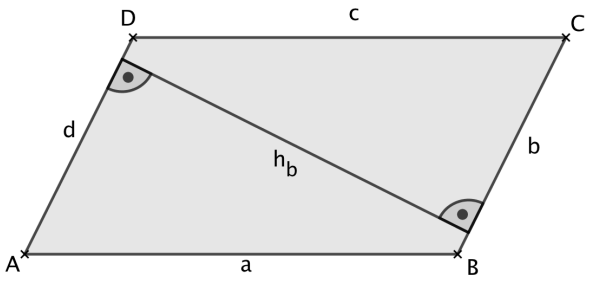
1.

$b = A : h_b$

$= 0{,}8m^2 : 50cm$

$= 80dm^2 : 5dm$

$= \underline{16dm}$



$u = 2 \cdot a + 2 \cdot b$

$= 2 \cdot 8dm + 2 \cdot 16dm$

$= 16dm + 32dm$

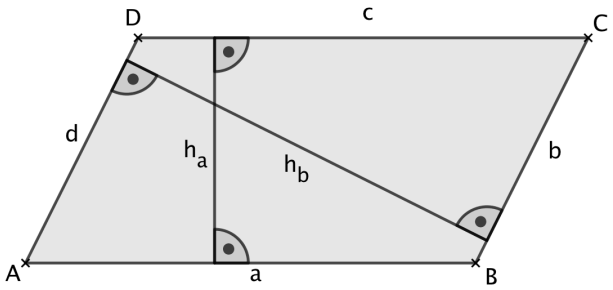
$= \underline{\underline{48dm}}$

2.

$b = A : h_b$

$= 9'600m^2 : 64m$

$= \underline{150m}$



$a = \frac{u}{2} - b$

$= \frac{540m}{2} - 150m$

$= 270m - 150m$

$= \underline{120m}$

$h_a = A : a$

$= 9'600m^2 : 120m$

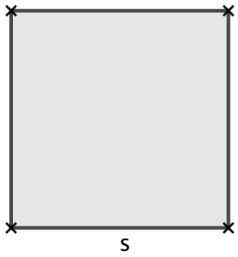
$= \underline{\underline{80m}}$

3.

$s = u : 4$

$= 36cm : 4$

$= \underline{9cm}$

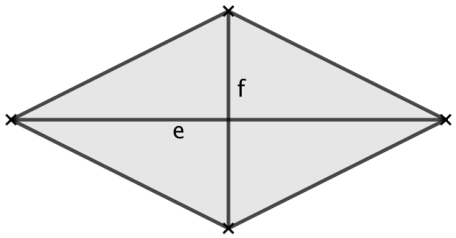


$A_Q = s \cdot s$

$= 9cm \cdot 9cm$

$= \underline{81cm^2}$

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



$f = 2 \cdot A_R : f$

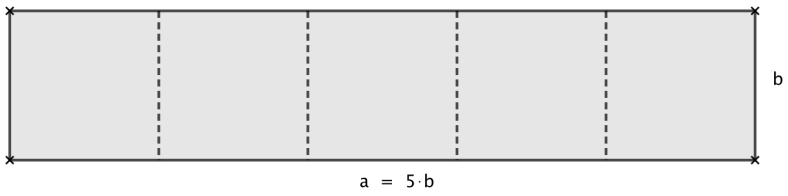
$= 2 \cdot 81cm^2 : 20cm$

$= 162cm^2 : 20cm$

$= \underline{\underline{8,1cm}}$

4.

$a = 5 \cdot b$



$u = 2 \cdot a + 2 \cdot b = 2 \cdot 5 \cdot b + 2 \cdot b$

$= 10 \cdot b + 2 \cdot b = \underline{12 \cdot b}$

$b = u : 12 = 1,8m : 12$

$= 180cm : 12 = \underline{15cm}$

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

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