S. 103/

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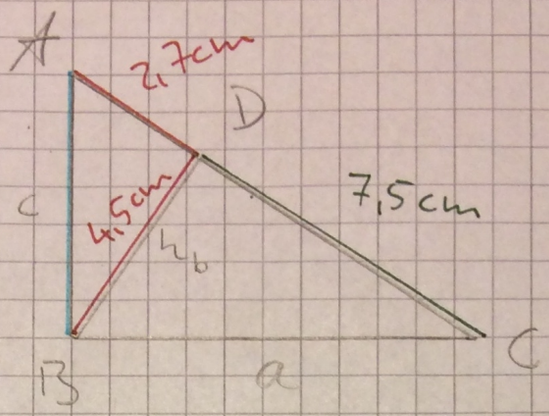

$\overline{AD}^2 + \overline{DB}^2 = \overline{AB}^2 \quad (=c)$

$2,7^2 + 4,5^2 = c^{*2} \qquad (c = c^* \cdot cm)$

$27,54 = c^{*2} \qquad |\sqrt{\ }$

$5,25 = c^*$

$5,25\,cm = c$

Höhensatz: $h^2 = p \cdot q$

$4,5^2 = 2,7 \cdot q^* \quad |:2,7 \qquad (q = q^* \cdot cm)$

$\frac{4,5^2}{2,7} = q^*$

$7,5\,cm = q$

$\overline{AB}^2 + \overline{BC}^2 = \overline{AC}^2$

$5,25^2 + \overline{BC}^{*2} = 10,2^2 \qquad (\overline{BC}^* = \overline{BC}^* \cdot cm)$

$\overline{BC}^{*2} = 10,2^2 - 5,25^2 = 76,4775 \quad |\sqrt{\ }$

$\overline{BC}^* = 8,75$

$BC = 8,75\,cm$