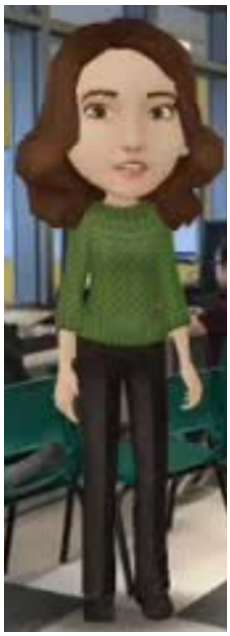
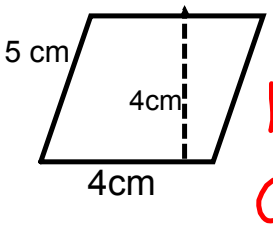
Un élève dit que l'aire de ce parallélogramme est de $20cm^2$. Explique l'erreur de cet élève.





La base et la hauteur doivent faire 90°

$A_{\square} = bh$

$= 4cm(4cm)$

$= 16cm^2$

p. 141 Q 10.

Quelle est l'aire de la terrasse?

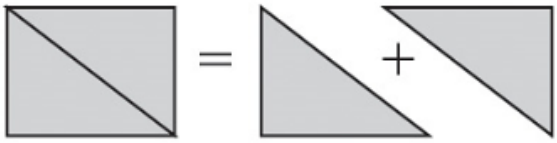
$A_{\square} = bh$

$A_{\square} = 14{,}4\text{m}(6{,}6\text{m})$

$= 95{,}04\text{m}^2$

2 2
144
66
864
8640
95,04

Si tu traces une diagonale dans un paralléélogramme, tu obtiens deux triangles congruents.

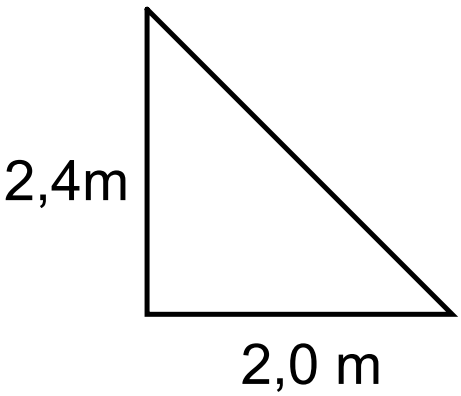


$A_{\triangle} = \frac{bh}{2}$

Des triangles congruents ont la mêême aire.

$A_{\triangle} = \frac{1}{2}bh = \frac{bh}{2}$

L'aire d'un triangle



$$A_\Delta = \frac{bh}{2}$$

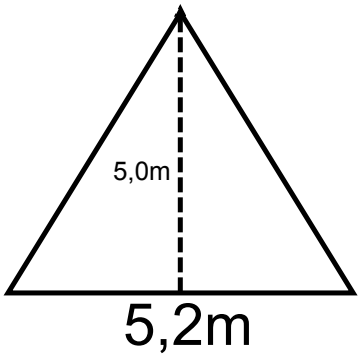
$$A_\Delta = \frac{2,0m\,(2,4m)}{2}$$

$$A_\Delta = \frac{4,80\,m^2}{2}$$

$$A_\Delta = 2,4m^2$$

$$\begin{array}{r} 2,4 \\ \times\ 2,0 \\ \hline 4,8 \end{array}$$

$$2\overline{)4,80} \quad 2,40$$



$$A_\Delta = \frac{bh}{2}$$

$$A_\Delta = \frac{5{,}2\text{m}(5{,}0\text{m})}{2}$$

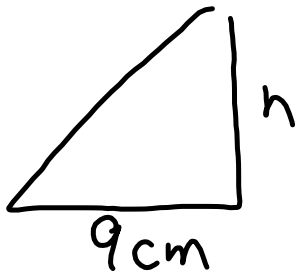
$$\begin{array}{r} 5{,}2 \\ \times\ 5{,}0 \\ \hline 26{,}00 \end{array}$$

$$A_\Delta = \frac{26{,}00\text{m}^2}{2}$$

$$A_\Delta = 13{,}00\ \text{m}^2$$

p. 146 Q 5, 7

5a) Aire = $18cm^2$



$A_D = \frac{bh}{2}$

$2(18cm^2) = \left(\frac{9cm\ h}{2}\right)2$

$\frac{36cm^2}{9cm} = \frac{9cm\ h}{9cm}$

$4\ cm = h$