

1. Izračunaj obseg in ploščino romba s stranico 5,3 dm in višino 3,8 dm.

Romb  
 $a = 5,3 \text{ dm}$

$v = 3,8 \text{ dm}$

$\sigma, p = ?$

$$\sigma = 4 \cdot a$$

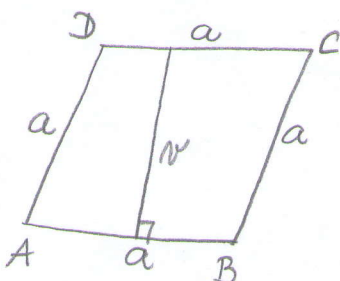
$$\sigma = 4 \cdot 5,3$$

$$\sigma = \underline{\underline{21,2 \text{ dm}}}$$

$$p = a \cdot v$$

$$p = 5,3 \cdot 3,8$$

$$p = \underline{\underline{20,14 \text{ dm}^2}}$$



2. Dan je romb z diagonalama 8,4 cm in 5 cm.

a) Izračunaj njegovo ploščino.

b) Ali lahko izračunaš tudi njegov obseg?

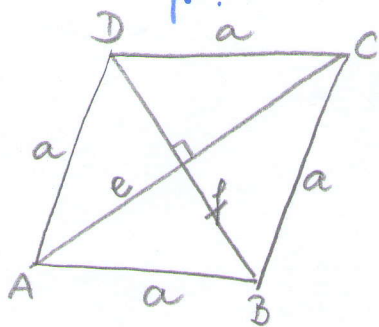
Romb  
 $e = 8,4 \text{ cm}$   
 $f = 5 \text{ cm}$   
 $p = ?$

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

$$p = \frac{8,4 \cdot 5}{2}$$

$$p = \frac{42}{2}$$

$$p = 21 \text{ cm}^2$$



Obsega ne moremo izračunati, ker ne poznamo dolžine njegove stranice.

3. Ploščina romba je  $63 \text{ cm}^2$ . Ena diagonalala meri  $18 \text{ cm}$ .

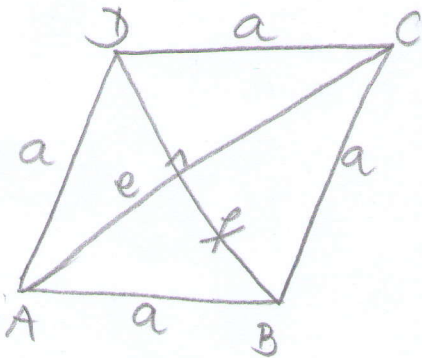
Koliko meri druga diagonalala tega romba?

romb

$$p = 63 \text{ cm}^2$$

$$e = 18 \text{ cm}$$

$$f = ?$$



1. način:

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

$$63 = \frac{18 \cdot f}{2}$$

$$63 = 9 \cdot f$$

$$f = 63 : 9$$

$$\underline{f = 7 \text{ cm}}$$

Za nečimo učencem je ta način lažji.

2. način

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

$$2 \cdot p = e \cdot f$$

$$2 \cdot 63 = 18 \cdot f$$

$$126 = 18 \cdot f$$

$$f = 126 : 18$$

$$f = 7 \text{ cm}$$

Druaga diagonalala romba meri  $7 \text{ cm}$ .