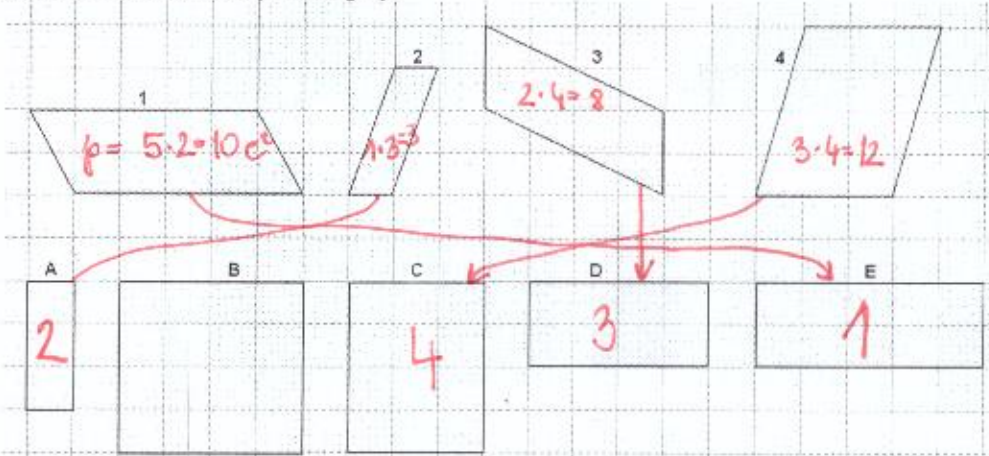


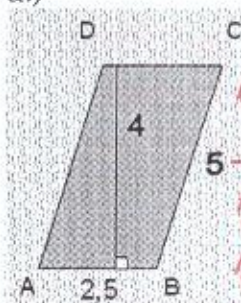
Obsegi in ploščine štirikotnikov (Utrjevanje)

1. Paralelograme smo preoblikovali v ploščinsko enake pravokotnike. Ugotovi, katere slike sodijo skupaj.



2. Izračunaj neznanne količine. Iz slike razberi potrebne podatke. Vsi podatki so v cm.

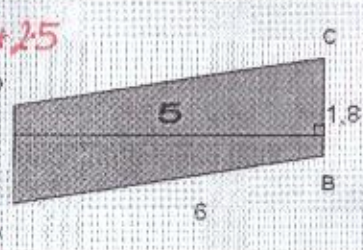
a.)



$p = 10 \text{ cm}^2$
 $o = 15 \text{ cm}$
 $v_b = 2 \text{ cm}$

$a = 2,5$
 $N_a = 4$
 $p = a \cdot N_a$
 $p = 2,5 \cdot 4$
 $p = 10 \text{ cm}^2$
 $o = 2,5 + 5$
 $o = 7,5$
 $o = 5 + 10$
 $o = 15 \text{ cm}$
 $p = b \cdot v_b$
 $10 = 5 \cdot v_b$
 $v_b = 10 : 5$
 $v_b = 2 \text{ cm}$

b.)



$o =$
 $p =$
 $v_a =$

$a = 6 \text{ cm}$
 $b = 1,8 \text{ cm}$
 $N_b = 5 \text{ cm}$
 $o = 2 \cdot a + 2 \cdot b$
 $o = 2 \cdot 6 + 2 \cdot 1,8$
 $o = 12 + 3,6$
 $o = 15,6 \text{ cm}$
 $p = b \cdot N_b$
 $p = 1,8 \cdot 5$
 $p = 9,0 \text{ cm}^2$
 $p = a \cdot N_a$
 $9 = 6 \cdot N_a$
 $N_a = 9 : 6$
 $N_a = 1,5 \text{ cm}$

3. Izračunaj neznanu količino romba.

a.) $a = 5 \text{ cm}$
 $f = 8 \text{ cm}$
 $v = 1,5 \text{ cm}$
 $p = 7,5 \text{ cm}^2$

$p = a \cdot v$
 $p = 5 \cdot 1,5$
 $p = 7,5 \text{ cm}^2$

b.) $v_a = 1,2 \text{ dm}$
 $e = 5 \text{ cm}$
 $f = 3,4 \text{ dm}$
 $p = 8,5 \text{ cm}^2$

$p = \frac{e \cdot f}{2}$
 $p = \frac{5 \cdot 3,4}{2}$
 $p = 8,5 \text{ cm}^2$

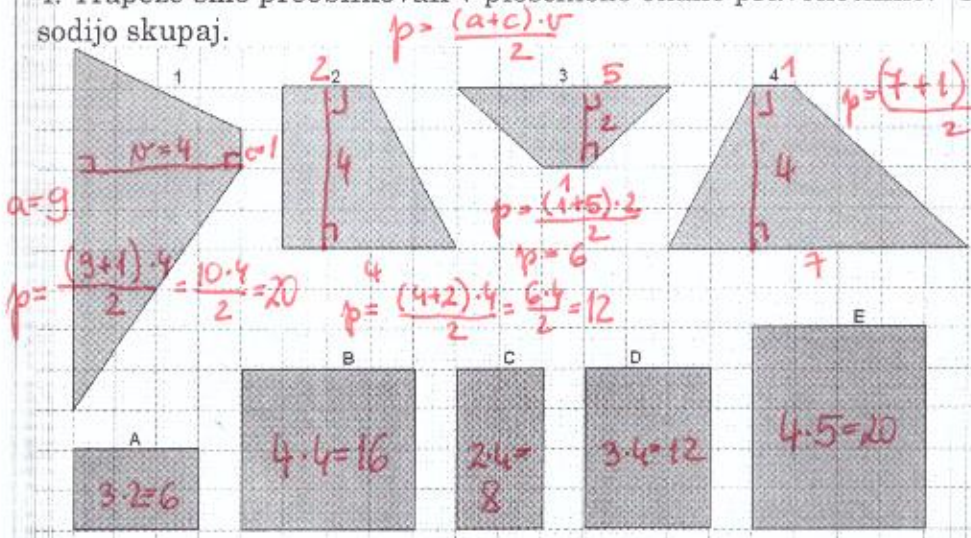
c.) $p = 54 \text{ cm}^2$
 $e = 10 \text{ cm}$
 $f = 10,8 \text{ cm}$

$p = \frac{e \cdot f}{2}$
 $54 = \frac{10 \cdot f}{2}$
 $54 = f \cdot 5$
 $f = 54 : 5$
 $f = 10,8 \text{ cm}$

d.*) $a = 10 \text{ cm}$
 $e = 16 \text{ cm}$
 $p = 96 \text{ cm}^2$
 $v_a = 9,6 \text{ cm}$
 $f = 12 \text{ cm}$

$p = a \cdot v_a$
 $96 = 10 \cdot v_a$
 $v_a = 96 : 10$
 $v_a = 9,6 \text{ cm}$
 $p = \frac{e \cdot f}{2}$
 $96 = \frac{16 \cdot f}{2}$

4. Trapeze smo preoblikovali v ploščinsko enake pravokotnike. Ugotovi, katere slike sodijo skupaj.

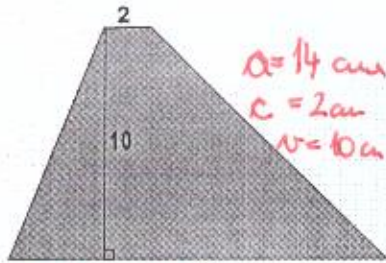


REŠITVE

1E
2D
3A
4B

5. Izračunaj neznanu količino lika na sliki. Enote so v cm.

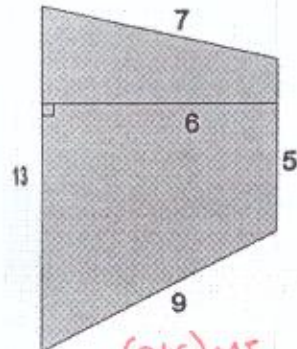
a.)



$$s = \frac{a+c}{2} = \frac{14+2}{2} = \frac{16}{2} = 8 \text{ cm}$$

$$p = s \cdot v = 8 \cdot 10 = 80 \text{ cm}^2$$

b.)



$a = 13 \text{ cm}$
 $c = 5 \text{ cm}$
 $v = 6 \text{ cm}$

$$p = \frac{(a+c) \cdot v}{2} = \frac{(13+5) \cdot 6}{2} = \frac{18 \cdot 6}{2} = 54 \text{ cm}^2$$

6. Izračunaj neznanu količino deltoida.

a.) $e = 5,8 \text{ cm}$

$a = 1,3 \text{ cm}$

$f = 6 \text{ cm}$

$$p = 17,4 \text{ cm}^2$$

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

$$p = \frac{5,8 \cdot 6 \cdot 3}{2}$$

$$p = 17,4 \text{ cm}^2$$

b.) $e = 8 \text{ cm}$

$p = 44 \text{ cm}^2$

$f = 11 \text{ cm}$

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

$$44 = \frac{8 \cdot f \cdot 4}{2}$$

$$44 = f \cdot 4$$

$$f = 44 : 4$$

$$f = 11 \text{ cm}$$