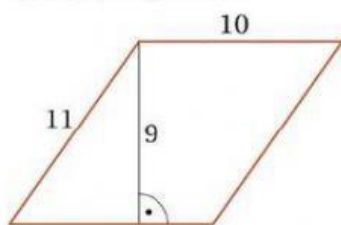


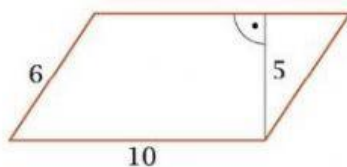
Ćwiczenia Pola wielokątów str. 59

1. Oblicz pola narysowanych wielokątów.

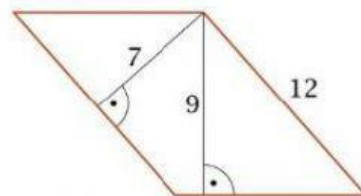
a) równoległoboki



$$\text{Pole} = 9 \cdot 10 = \dots\dots\dots$$

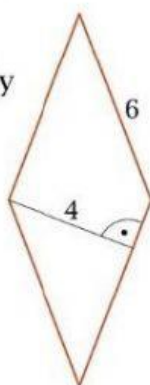


$$\text{Pole} = \dots \cdot \dots = \dots$$

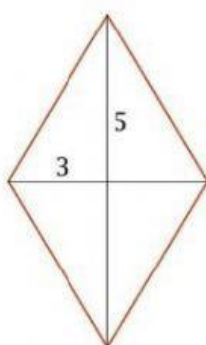


$$\text{Pole} = \dots \cdot \dots = \dots$$

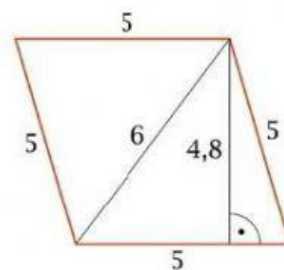
b) romby



$$\text{Pole} = \dots \cdot \dots = \dots$$

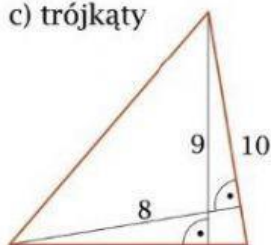


$$\text{Pole} = \dots \cdot \dots = \dots$$

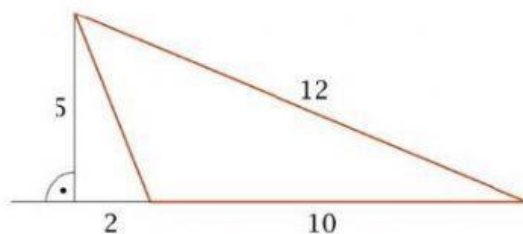


$$\text{Pole} = \dots \cdot \dots = \dots$$

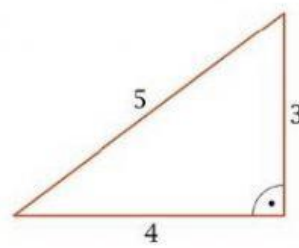
c) trójkąty



$$\text{Pole} = \dots \cdot \dots = \dots$$

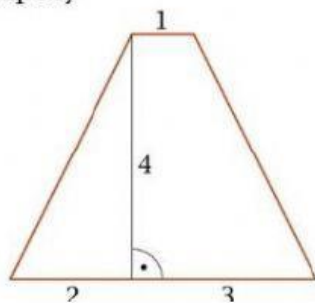


$$\text{Pole} = \dots \cdot \dots = \dots$$

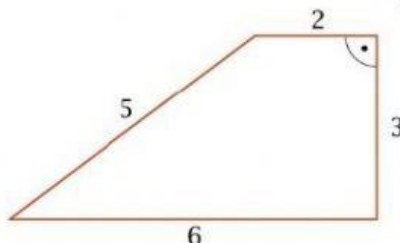


$$\text{Pole} = \frac{1}{2} \cdot \dots \cdot \dots = \dots$$

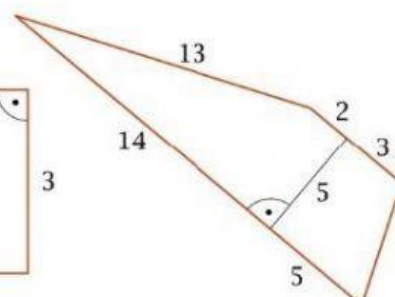
d) trapezy



$$\text{Pole} = \frac{(1 + 3) \cdot 4}{2} = \dots$$

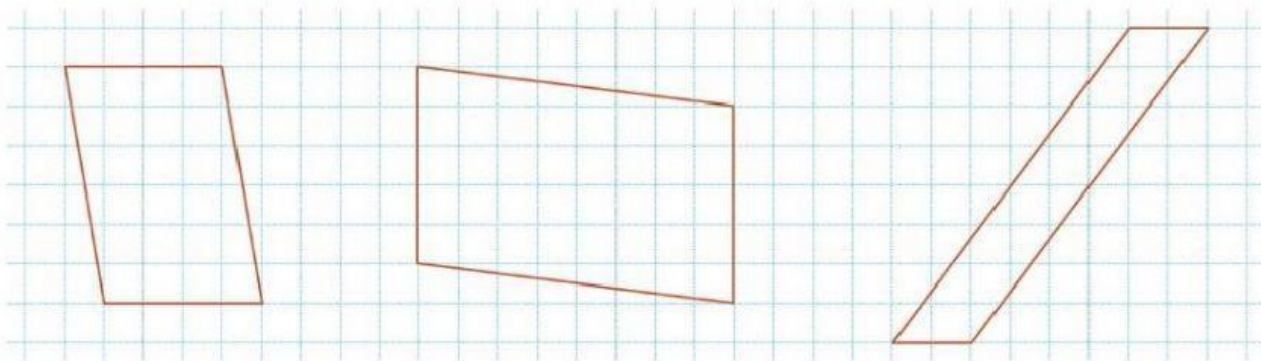


$$\text{Pole} = \frac{(2 + 6) \cdot 3}{2} = \dots$$



$$\text{Pole} = \frac{(2 + 5) \cdot 5}{2} = \dots$$

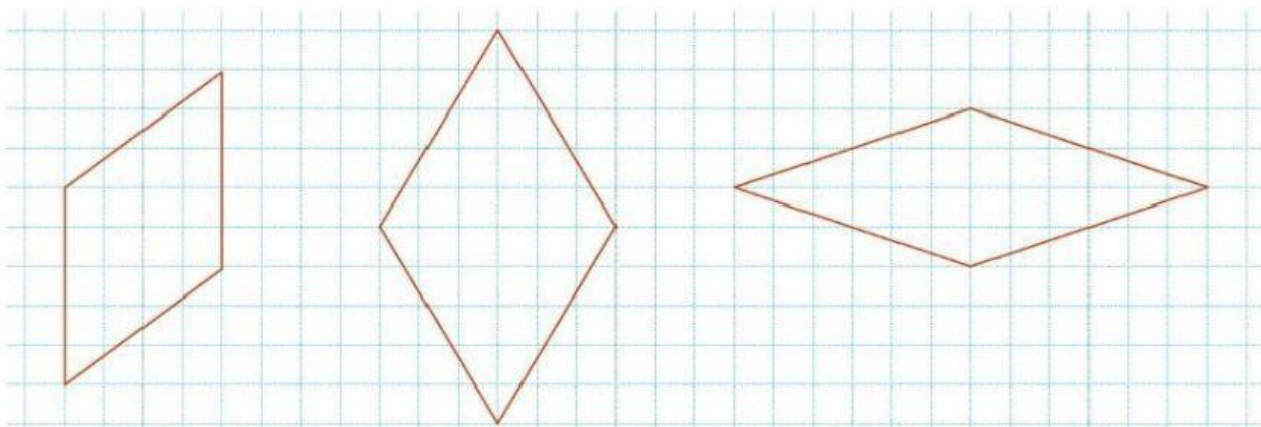
2. Przyjmij, że bok kratki ma długość 1. Oblicz pola narysowanych wielokątów.



Pole = $\frac{2 \cdot 2}{2} =$

Pole = $\frac{(2 + 4) \cdot 2}{2} =$

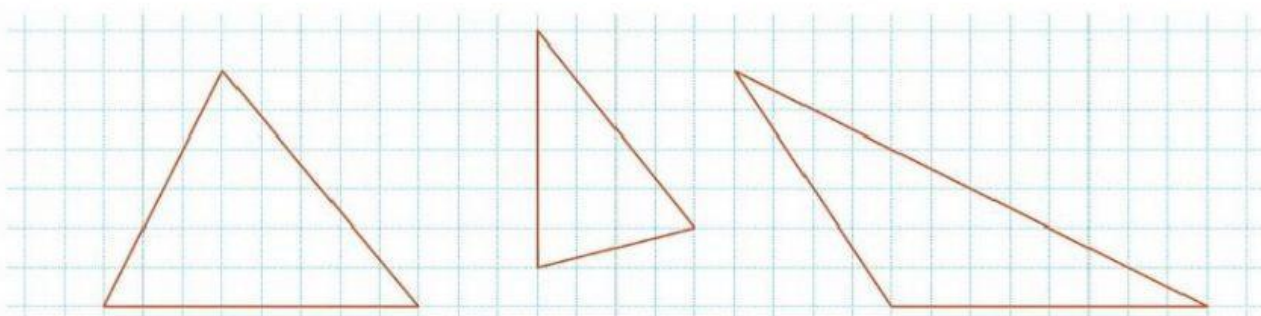
Pole = $\frac{2 \cdot 3}{2} =$



Pole = $\frac{2 \cdot 2}{2} =$

Pole = $\frac{2 \cdot 2}{2} =$

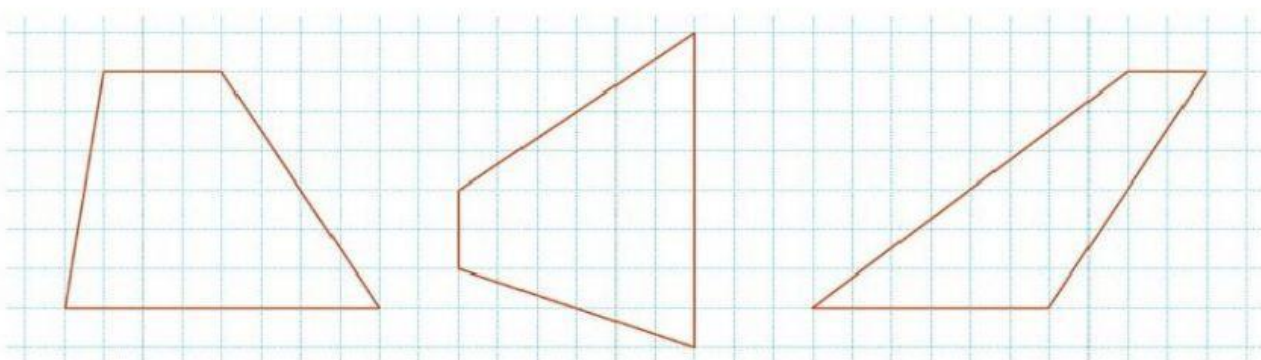
Pole = $\frac{4 \cdot 1}{2} =$



Pole = $\frac{3 \cdot 2}{2} =$

Pole = $\frac{2 \cdot 2}{2} =$

Pole = $\frac{4 \cdot 2}{2} =$



Pole = $\frac{(2 + 4) \cdot 2}{2} =$

Pole = $\frac{(2 + 2) \cdot 2}{2} + 2 \cdot 2 =$

Pole = $\frac{(3 + 3) \cdot 2}{2} =$