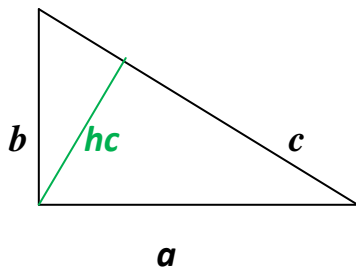


Лице и периметър на изучени фигури

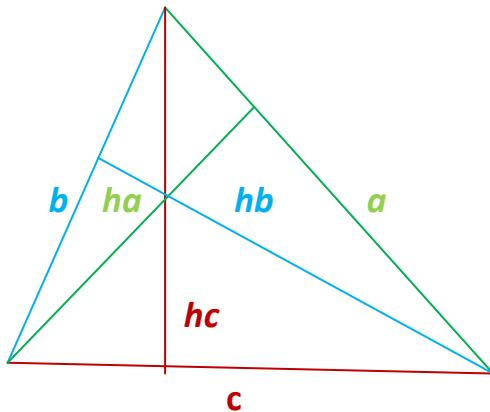
1. Правоъгълен триъгълник (c – хипотенуза; a, b – катети)



$$S = \frac{a \cdot b}{2} = \frac{c \cdot h_c}{2}$$

$$P = a + b + c$$

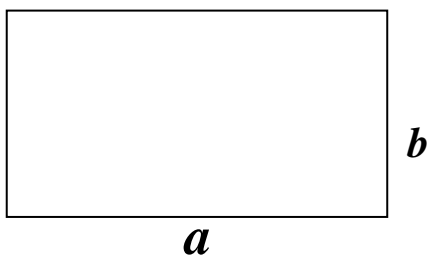
2. Произволен триъгълник



$$S = \frac{a \cdot h_a}{2} = \frac{b \cdot h_b}{2} = \frac{c \cdot h_c}{2}$$

$$P = a + b + c$$

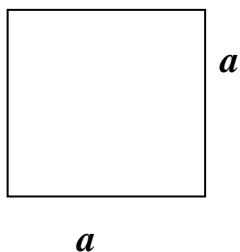
3. Правоъгълник



$$S = a \cdot b$$

$$P = 2 \cdot (a + b)$$

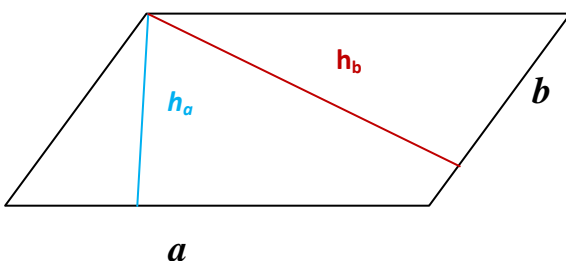
4. Квадрат



$$S = a \cdot a$$

$$P = 4 \cdot a$$

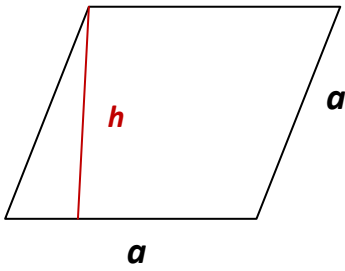
5. Успоредник



$$S = a \cdot h_a = b \cdot h_b$$

$$P = 2 \cdot (a + b)$$

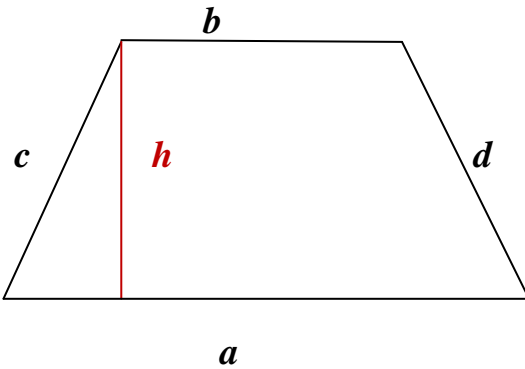
6. Ромб



$$S = a \cdot h$$

$$P = 4 \cdot a$$

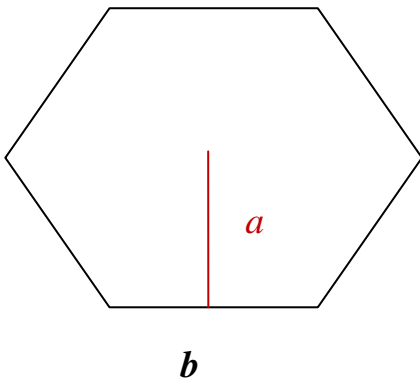
7. Трапец



$$S = \frac{(a + b) \cdot h}{2}$$

$$P = a + b + c + d$$

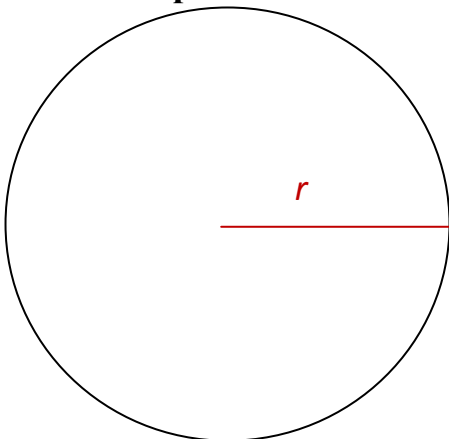
8. Правилен многоъгълник



$$S = \frac{P \cdot a}{2} = \frac{n \cdot a \cdot b}{2}$$

$$P = n \cdot b$$

9. Окръжност



$$d = 2 \cdot r$$

$$r = \frac{d}{2}$$

$$C = 2 \cdot \pi \cdot r = \pi \cdot d$$

$$S = \pi \cdot r^2$$

$$\pi \approx 3,14 \approx \frac{22}{7}$$