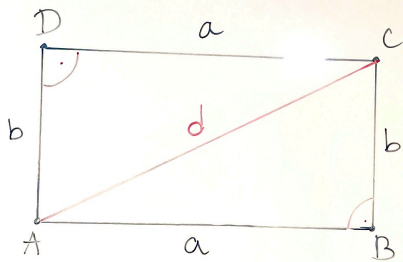




# Примена Пифагорове теореме на правоугаоник



269. a)

$$b = 8 \text{ cm}$$

$$a = 15 \text{ cm}$$

$$d = ?$$

$$O = ?$$

$$P = ?$$

$$d^2 = a^2 + b^2$$

$$d^2 = 15^2 + 8^2$$

$$\sqrt{\quad} = 225 + 64$$

$$d^2 = 289$$

$$d = \sqrt{289}$$

$$d = 17 \text{ cm}$$

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

$$O = 2 \cdot (15 + 8)$$

$$O = 2 \cdot 23$$

$$O = 46 \text{ cm}$$

$$P = a \cdot b$$

$$P = 15 \cdot 8$$

$$P = 120 \text{ cm}^2$$

$$d^2 = a^2 + b^2$$

$$20 \text{ cm} : 267$$

5)

$$b = 10 \text{ cm}$$

$$d = 14,5 \text{ cm}$$

$$a = ?$$

$$O = ?$$

$$P = ?$$

$$d^2 = a^2 + b^2$$

$$a^2 = d^2 - b^2$$

$$a^2 = 210,25$$

$$a^2 = 110,25$$

$$a = \sqrt{110,25}$$

$$a = 10,5$$

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

$$O = 2 \cdot (10,5 + 10)$$

$$O = 2 \cdot 20,5$$

$$O = 41 \text{ cm}$$

$$P = a \cdot b$$

$$P = 10,5 \cdot 10$$

$$P = 105 \text{ cm}^2$$

$$\begin{array}{r} 145 \cdot 145 \\ \hline 225 \\ 560 \\ 145 \\ \hline 21025 \end{array}$$

$$\frac{205,2}{410}$$



Задание

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

$$2 \cdot (15+8)$$

$$2 \cdot 23$$

$$46 \text{ см}$$

$$a \cdot b$$

$$15 \cdot 8$$

$$120 \text{ см}^2$$

Д)

$$b = 10 \text{ см}$$

$$d = 14,5 \text{ см}$$

$$a = ?$$

$$O = ?$$

$$P = ?$$

$$d^2 = a^2 + b^2$$

$$a^2 = d^2 - b^2$$

$$a^2 = 210,25 - 100$$

$$a^2 = 110,25$$

$$a = \sqrt{110,25}$$

$$a = 10,5 \text{ см}$$

$$O = 2(a+b)$$

$$O = 2(10,5+10)$$

$$O = 2 \cdot 20,5$$

$$O = 41 \text{ см}$$

$$110,25 = \frac{11025}{100}$$

$$\sqrt{110,25} = \frac{\sqrt{11025}}{\sqrt{100}} = \frac{105}{10} = 10,5$$

$$P = a \cdot b$$

$$P = 10,5 \cdot 10$$

$$P = 105 \text{ см}^2$$





# Тригмента Пигатопуне теорем

269. б)

$$a = \sqrt{2} \text{ cm}$$

$$d = 3\sqrt{2} \text{ cm}$$

$$b = ? \quad O = ? \quad P = ?$$

$$d^2 = a^2 + b^2$$

$$b^2 = d^2 - a^2$$

$$b^2 = (3\sqrt{2})^2 - (\sqrt{2})^2$$

$$b^2 = 3^2 \cdot (\sqrt{2})^2 - 2$$

$$b^2 = 9 \cdot 2 - 2$$

$$b^2 = 18 - 2$$

$$b^2 = 16$$

$$b = \sqrt{16}$$

$$b = 4 \text{ cm}$$

$$O = 2 \cdot (a + b) = 2 \cdot (\sqrt{2} + 4)$$

$$O = (2\sqrt{2} + 8) \text{ cm}$$

$$P = a \cdot b = \sqrt{2} \cdot 4 \text{ cm}^2 = 4\sqrt{2} \text{ cm}^2$$

269. а)

$$b = 8 \text{ cm}$$

$$a = 15 \text{ cm}$$

$$d = ?$$

$$O = ?$$

$$P = ?$$

$$d^2 = a^2 + b^2$$

$$d^2 = 15^2 + 8^2$$

$$d^2 = 225 + 64$$

$$d^2 = 289$$

$$d = \sqrt{289}$$

$$d = 17$$