

Реални бројеви- ПОДСЕТНИК

$$12^2 = 144$$

$$-11^2 = -121$$

$$(-11)^2 = 121$$

$$-(-13)^2 = -169$$

$$-(-13^2) = -(-169) = 169$$

$$-2 \cdot 3^2 = -2 \cdot 9 = -18$$

$$(-2 \cdot 3)^2 = (-6)^2 = 36$$

$$\sqrt{\frac{144}{25}} = \frac{12}{5}$$

$$\frac{\sqrt{144}}{25} = \frac{12}{25}$$

$$\left(2\frac{3}{5}\right)^2 = \left(\frac{13}{5}\right)^2 = \frac{169}{25}$$

$$\left(-\frac{5}{6}\right)^2 = \frac{25}{36}$$

$$-\frac{5^2}{6} = -\frac{25}{6}$$

$$\sqrt{0,36} = 0,6$$

$$\sqrt{0,0144} = 0,12$$

$$\sqrt{0,000025} = 0,005$$

$$\sqrt{1,44} = 1,2$$

$$\sqrt{0,0625} = 0,25$$

$$\sqrt{0,000576} = 0,024$$

$$0,2^2 = 0,04$$

$$0,16^2 = 0,0256$$

$$0,025^2 = 0,000625$$

$$1,2^2 = 1,44$$

$$\left(\frac{27}{89}\right)^2 \cdot \left(\frac{89}{54}\right)^2 = \left(\frac{27}{89} \cdot \frac{89}{54}\right)^2 = \left(\frac{1}{2}\right)^2 = \frac{1}{4}$$

$$\sqrt{1 + \frac{9}{16}} = \sqrt{\frac{16}{16} + \frac{9}{16}} = \sqrt{\frac{25}{16}} = \frac{5}{4} = 1\frac{1}{4}$$

$$\sqrt{1 - \frac{25}{169}} = \sqrt{\frac{169}{169} - \frac{25}{169}} = \sqrt{\frac{144}{169}} = \frac{12}{13}$$

$$\sqrt{2 - \frac{1}{25}} = \sqrt{\frac{50}{25} - \frac{1}{25}} = \sqrt{\frac{49}{25}} = \frac{7}{5}$$

$$\sqrt{144 \cdot 81} = \sqrt{144} \cdot \sqrt{81} = 12 \cdot 9 = 108$$

$$\sqrt{576 \cdot 25} = \sqrt{576} \cdot \sqrt{25} = 24 \cdot 5 = 120$$

$$\sqrt{0,1} \cdot \sqrt{0,9} = \sqrt{0,1 \cdot 0,9} = \sqrt{0,09} = 0,3$$

$$\sqrt{\frac{3}{2}} \cdot \sqrt{\frac{27}{8}} = \sqrt{\frac{3}{2} \cdot \frac{27}{8}} = \sqrt{\frac{3 \cdot 8}{2 \cdot 27}} =$$

$$\sqrt{5^2 - 3^2} = \sqrt{25 - 9} = \sqrt{16} = 4$$

$$\sqrt{(3-5)^2} = |3-5| = |-2| = 2$$

$$5\sqrt{(-3)^2} = 5 \cdot |-3| = 5 \cdot 3 = 15$$

$$(5\sqrt{3})^2 = 25 \cdot \sqrt{9} = 25 \cdot 3 = 75$$

$$\frac{6}{\sqrt{3}} = \frac{6}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{6\sqrt{3}}{3} = 2\sqrt{3}$$

$$\frac{5}{\sqrt{2}} = \frac{5}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{5\sqrt{2}}{\sqrt{4}} = \frac{5\sqrt{2}}{2}$$

$$\sqrt{8} = \sqrt{4 \cdot 2} = \sqrt{4} \cdot \sqrt{2} = 2\sqrt{2}$$

$$\sqrt{50} = \sqrt{25 \cdot 2} = \sqrt{25} \cdot \sqrt{2} = 5\sqrt{2}$$

$$\sqrt{98} = \sqrt{49 \cdot 2} = \sqrt{49} \cdot \sqrt{2} = 7\sqrt{2}$$

$$-3\sqrt{98} = -3 \cdot 7\sqrt{2} = -21\sqrt{2} =$$

$$\begin{aligned} (3\sqrt{2})^2 &= 9\sqrt{4} = 9 \cdot 2 = 18 \\ 2\sqrt{3} \cdot 4\sqrt{3} &= 8\sqrt{9} = 8 \cdot 3 = 24 \\ 2\sqrt{3} + 4\sqrt{3} &= 6\sqrt{3} \\ 2 \cdot 3\sqrt{2} &= 6\sqrt{2} \\ 2\sqrt{3} \cdot 4\sqrt{5} &= 12\sqrt{15} \\ 2\sqrt{3} + 4\sqrt{5} &= \text{нису слични} \end{aligned}$$

$$\sqrt{144 + 81} = \sqrt{225} = 15$$

$$\sqrt{144} + \sqrt{81} = 12 + 9 = 21$$

$$\sqrt{225 - 144} = \sqrt{81} = 9$$

$$\sqrt{225} - \sqrt{144} = 15 - 12 = 3$$

$$\sqrt{(-0,187)^2} = |-0,187| = 0,187$$

$$\sqrt{\left(-\frac{3}{7}\right)^2} = \left|-\frac{3}{7}\right| = \frac{3}{7}$$

$$\sqrt{\left(\frac{9}{16} - 1\right)^2} = \left|\frac{9}{16} - 1\right| = \left|\frac{9}{16} - \frac{16}{16}\right| = \left|-\frac{7}{16}\right| = \frac{7}{16}$$

$$\sqrt{(\sqrt{3}-1)^2} = |\sqrt{3}-1| = \sqrt{3}-1$$

$$\sqrt{(1-\sqrt{3})^2} = |1-\sqrt{3}| = \sqrt{3}-1$$

$$\sqrt{(\sqrt{3}+\sqrt{2})^2} = |\sqrt{3}+\sqrt{2}| = \sqrt{3}+\sqrt{2}$$

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

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