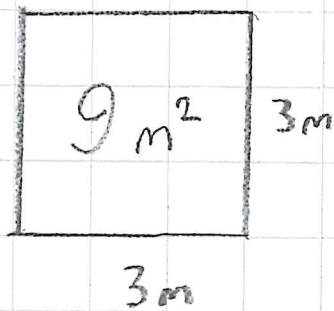


s. 73

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

"luvun 3 neliö"



neliöjuuri

juuri-merkki

$$\sqrt{9} = 3$$

juurrettava

neliö

$$4^2 = 16$$

neliöjuuri $\sqrt{16} = 4$

$$5^2 = 25$$

$$\sqrt{25} = 5$$

$$6^2 = 36$$

$$\sqrt{36} = 6$$

$$7^2 = 49$$

$$\sqrt{49} = 7$$

$$8^2 = 64$$

$$\sqrt{64} = 8$$

$$9^2 = 81$$

$$\sqrt{81} = 9$$

$$10^2 = 100$$

$$\sqrt{100} = 10$$

$$\sqrt{-4}$$

ei voi laskea

$$(-2)^2 = 4$$

juurrettava ei voi olla negatiivinen

$$-\sqrt{4} = -2$$

373

$$\sqrt{4} = 2$$

$$\sqrt{64} = 8$$

$$\sqrt{100} = 10$$

$$\sqrt{36} = 6$$

374

$$\sqrt{1} = 1$$

$$\sqrt{0} = 0$$

$$\sqrt{81} = 9$$

$\sqrt{-16}$ ei voi laskea

375

$$\sqrt{121} = 11$$

$$-\sqrt{25} = -5$$

$$\sqrt{144} = 12$$

$$\sqrt{225} = 15$$

$$\begin{aligned}
 [225 &= 9 \cdot 25 \\
 &= 3 \cdot 3 \cdot 5 \cdot 5 \\
 &= 15 \cdot 15 = 15^2]
 \end{aligned}$$

$$\begin{array}{r}
 11 \\
 \cdot 11 \\
 \hline
 11 \\
 + 11 \\
 \hline
 121
 \end{array}$$

376

$$\sqrt{400} = 20$$

$$\begin{aligned}
 [400 &= 100 \cdot 4 \\
 &= 10 \cdot 10 \cdot 2 \cdot 2 \\
 &= 20 \cdot 20]
 \end{aligned}$$

$$-\sqrt{1} = -1$$

$$\sqrt{900} = 30$$

$$\sqrt{0,25} = 0,5$$

$$\begin{array}{r}
 0,5 \\
 \cdot 0,5 \\
 \hline
 0,25
 \end{array}$$

377

64 neliöjuuri

$$\sqrt{64} = 8$$

5 neliö

$$5^2 = 25$$

9 nelicjuuri
nelio

$$\sqrt{9} = 3$$

$$9^2 = 81$$

380

$$a) 2 \cdot \sqrt{36} \\ = 2 \cdot 6 = 12$$

$$b) \sqrt{3 \cdot 12} = \sqrt{36} = 6$$

$$c) \sqrt{4} \cdot \sqrt{49} \\ = 2 \cdot 7 = 14$$

$$d) \sqrt{100} + \sqrt{81} \\ = 10 + 9 = 19$$

381

$$a) \sqrt{64} - 2 = 8 - 2 = 6$$

$$b) 100 + \sqrt{4} = 100 + 2 = 102$$

$$c) \frac{\sqrt{100}}{\sqrt{4}} = \frac{10}{2} = 5$$

$$d) \sqrt{81} - \sqrt{25} = 9 - 5 = 4$$

392, 393, 394, 395

s. 75