

11 класс базовый уровень В4

$$n1 \left(\frac{7}{8} - 8\frac{1}{4}\right) \cdot 16 = \left(\frac{7}{8} - \frac{33}{4}\right) \cdot 16 = \frac{7-66}{8} \cdot 16 = -\frac{59}{8} \cdot 16 = -118$$

Ответ: -118

$$n2 \frac{2^7 \cdot 7^6}{14^5} = \frac{2^7 \cdot 7^6}{2^5 \cdot 7^5} = 2^2 \cdot 7 = 4 \cdot 7 = 28$$

Ответ: 28

$$n3 \begin{aligned} &1) \quad 100/40 = 250\% \\ &\quad x \quad - 120\% \\ &x = \frac{120 \cdot 100}{100} = 120 \end{aligned}$$

$$1100 : 120 = 9,1 \dots$$

Ответ: 9

$$n4 \quad S = \frac{1}{2} \cdot 14 \cdot 16 \cdot \frac{1}{4} = 7 \cdot 4 = 28$$

Ответ: 28

$$n5 \quad (2\sqrt{19} - \sqrt{2})(2\sqrt{19} + \sqrt{2}) - (2\sqrt{19})^2 - \sqrt{2}^2 = 4 \cdot 19 - 2 = 76 - 2 = 74$$

Ответ: 74

$$n6 \quad (72611 - 72452) \cdot 1,7 = 159 \cdot 1,7 = 270,3$$

Ответ: 270,3

$$n7 \quad \frac{1}{3x-11} = \frac{1}{4x+11}$$

$$4x+11 = 3x-11$$

$$x = -22$$

Ответ: -22

$$\text{OЗЗ: } 3x-11 \neq 0 \quad 4x+11 \neq 0$$

$$x \neq 3\frac{2}{3} \quad x \neq -2,75$$

$$n8 \quad 21 - 20,6 = 0,4$$

Ответ: 0,4

n9 Ответ: 2143

$$n10 \quad \frac{6}{25} = 0,24$$

Ответ: 0,24

n11 Ответ: 8

$$n12 \quad 1) \quad 12500 : 100 \cdot 7 = 125 \cdot 7 = \underline{875}$$

$$2) \quad 22000 : 100 \cdot 2 = 220 \cdot 2 = 440$$

$$3) \quad 19000 : 100 \cdot 3 = 190 \cdot 3 = 570$$

$$4) \quad 14000 : 100 \cdot 5 = 140 \cdot 5 = 700$$

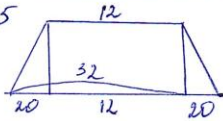
Ответ: 875

$$n13 \quad d^2 = 2^2 + 2^2 + 1^2 = 9 \quad d = 3$$

Jawab: 3

n14 Jawab: 4213

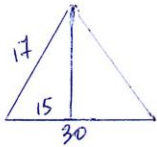
n15



$$\frac{12+52}{2} = \frac{64}{2} = 32$$

Jawab: 32

n16



$$h_s^2 = 17^2 - 15^2 = 289 - 225 = 64 \quad h_s = 8$$

$$S_{\text{luas}} = \left(\frac{1}{2} \cdot 8 \cdot 30\right) \cdot 4 = 120 \cdot 4 = 480 \quad S_{\text{perm}} = 30 \cdot 30 = 900$$

$$S_{\text{luas}} = 480 + 900 = 1380$$

Jawab: 1380

n17 Jawab: 3421

n18 Jawab: 34

n19 Jawab: 841

$$n20 \quad \begin{cases} 3z = 4c + 1u \\ 7c = 4z + 1u \end{cases}$$

$$\begin{cases} 3z = 4c + 1u \quad | \cdot 4 \\ -4z = -7c + 1u \quad | \cdot 3 \end{cases}$$

$$\begin{cases} 12z = 16c + 4u \\ -12z = -21c + 3u \end{cases}$$

$$-5c + 7u = 0$$

$$7u = 5c \quad | \cdot 6$$

$$42u = 30c$$

Jawab: 30