

Вариант 110204

1) Вычислите $(2\frac{4}{5} - 2\frac{3}{8}) \cdot 16 = (\frac{14}{5} - \frac{19}{8}) \cdot 16 = \frac{112 - 95}{40} \cdot 16 = \frac{17 \cdot 16}{40} = 68$

2) $\frac{1,4 \cdot 10^3}{7 \cdot 10^{-1}} = \frac{1,4 \cdot 10^4}{7} = 2000$

3) $\frac{250 - 100}{x - 104} = \frac{250 \cdot 104}{100} = 260$

4) $P = I^2 R = 5,5^2 \cdot 16 = 484$

5) $\sin x = -\sqrt{1 - (-0,6)^2} = -0,8$

6) $60 \cdot 6 = 360$
 $360 : 100 = 3,6 \Rightarrow 4$

7) $x^2 + 4 = 5x$
 $x^2 - 5x + 4 = 0$
 $\begin{cases} x = 4 \\ x = 1 \end{cases} \Rightarrow 1$

8) 120

9)

A	B	C	D
2	3	4	1

10) $7 + 3 + 5 = 15$ $\frac{3}{15} = \frac{1}{5} = 0,2$

11) 18

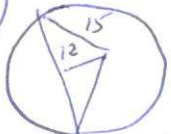
12) $3200 \cdot 13 \cdot 13 = 540800$
 $4100 \cdot 13 \cdot 9 = 479700$
 $9500 \cdot 13 \cdot 4 = 494000$

13) $R - 6 \text{ pages} \Rightarrow S \text{ 64 pages}$
 $\frac{100}{4} = 25$

14)

A	B	C	D
4	3	1	2

15) $18\sqrt{2} = \frac{1}{2} \cdot 3 \cdot AC$
 $AC = 12\sqrt{2}$
 $AM = 6\sqrt{2}$
 $AB = \sqrt{(6\sqrt{2})^2 + 3^2} = 9$

16)  $\sqrt{15^2 - 12^2} = 9$
 $S = 18 \cdot 14 = 252$

17)

A	B	C	D
2	4	3	1

18) 24

19) 54162

20) $\begin{cases} 3z = 4c + 1u & | \cdot 4 \\ 6c = 4z + 1u & | \cdot 3 \end{cases}$

$\begin{cases} 12z = 16c + 4u \\ 18c = 12z + 3u \end{cases}$

$18c = 16c + 4u + 3u$

$2c = 7u \quad | \cdot 5$

$10c = 35u \Rightarrow 10c$