

1) 25% Big 180

$$\frac{25}{100} \cdot 180 = \frac{25 \cdot 180}{100} = 45$$

2) 32% Big 60

$$\frac{32}{100} \cdot 60 = \frac{32 \cdot 60}{100} = 19,2$$

3) 15% Big 360

$$\frac{15}{100} \cdot 360 = \frac{15 \cdot 360}{100} = 54$$

4) 4% Big 282

$$\frac{4}{100} \cdot 282 = \frac{4 \cdot 282}{100} = 11,28$$

5) 77% Big 495

$$\frac{77}{100} \cdot 495 = \frac{77 \cdot 495}{100} = 381,15$$

6) 63% big 245

$$\frac{63}{100} \cdot 245 = \frac{63 \cdot 245}{100} = 153,25$$

7) 5% big 245

$$\frac{5}{100} \cdot 245 = \frac{5 \cdot 245}{100} = 12,25$$

8) 18% big 395

$$\frac{18}{100} \cdot 395 = \frac{18 \cdot 395}{100} = 71,1$$

9) 46% big 65

$$\frac{46}{100} \cdot 65 = \frac{46 \cdot 65}{100} = 29,9$$

10) 28% big 84

$$\frac{28}{100} \cdot 84 = \frac{28 \cdot 84}{100} = 23,52$$

1) Число? $22\% = 33$

$$\frac{22}{100} : x = 33; \quad x = 33 : \frac{22}{100}; \quad x = \frac{33 \cdot 100}{22}$$
$$x = 150$$

2) Число? $8\% = 32$

$$\frac{8}{100} : x = 32; \quad x = 32 : \frac{8}{100}; \quad x = \frac{32 \cdot 100}{8}$$
$$x = 400$$

Если выкаско
число нег
и умножить
число на 100

3) Число? $14\% = 86$

$$\frac{14}{100} : x = 86; \quad x = 86 : \frac{14}{100}; \quad x = \frac{86 \cdot 100}{14}$$
$$x = 614,28$$

4) Число? $50\% = 240$

$$\frac{50}{100} : x = 240; \quad x = 240 : \frac{50}{100}; \quad x = \frac{240 \cdot 100}{50}$$
$$x = 480$$

5) Число? 25% = 14

$$x = 14 : \frac{25}{100}; \quad x = \frac{14 \cdot 100}{25}; \quad x = 56$$

6) Число? 38% = 46

$$x = 46 : \frac{38}{100}; \quad x = \frac{46 \cdot 100}{38}; \quad x = 121,05$$

7) Число? 9% = 54

$$x = \frac{54 \cdot 100}{9}; \quad x = 600$$

Как вычислить
число по
проценту
числа на 100

8) Число? 7% = 56

$$\frac{56 \cdot 100}{7} = 800$$

9) Число? 13% = 65

$$\frac{65 \cdot 100}{13} = 500$$

10) Число? 8% = 42

$$\frac{42 \cdot 100}{8} = 525$$

1) 24 big 120

$$\frac{x}{100} \cdot 120 = 24; x = \frac{24 \cdot 100}{120}; x = 20\%$$

2) 15 big 380

$$\frac{x}{100} \cdot 380 = 15; x = \frac{15 \cdot 100}{380}; x = 3.9\%$$

3) 63 big 700

$$x = \frac{63 \cdot 100}{700}; x = 9\%$$

4) 9 big 150

$$x = \frac{9 \cdot 100}{150}; x = 6\%$$

5) 45 big 450

$$\frac{x}{100} \cdot 450 = 45; x = \frac{45 \cdot 100}{450}; x = 10\%$$

6) 49 big 70

$$\frac{x}{100} \cdot 70 = 49; \quad x = \frac{49 \cdot 100}{70}; \quad x = 70\%$$

7) 42 big 600

$$\frac{x}{100} \cdot 600 = 42; \quad x = \frac{42 \cdot 100}{600}; \quad x = 7\%$$

8) 28 big 400

$$\frac{x}{100} \cdot 400 = 28; \quad x = \frac{28 \cdot 100}{400}; \quad x = 7\%$$

9) 34 big 170

$$x = \frac{34 \cdot 100}{170}; \quad x = 20\%$$

10) 133 big 190

$$x = \frac{133 \cdot 100}{190}; \quad x = 70\%$$

1) 120 збільши. на 5%

$$120 + \frac{5}{100} \cdot 120 = 120 \left(1 + \frac{1}{20} \right) = \frac{120 \cdot 21}{20} = 126$$

2) 240 збільши. на 10%

$$240 + \frac{10}{100} \cdot 240 = 240 \left(1 + \frac{1}{10} \right) = \frac{240 \cdot 11}{10} = 264$$

$$\text{Нове число} = \text{Початкове число} \times \left(1 + \frac{\text{Вдсоток}}{100} \right)$$

$$\text{Нове число} = \text{Початкове число} \times \left(1 - \frac{\text{Вдсоток}}{100} \right)$$

3) 200 збільши. на 15%

$$200 \cdot \left(1 + \frac{15}{100} \right) = 200 \cdot 1,15 = 230$$

4) 300 зменши. на 20%

$$300 \cdot \left(1 - \frac{20}{100} \right) = 300 \cdot 0,8 = 240$$

5) 180 збільши. на 40%

$$180 \cdot \left(1 + \frac{40}{100}\right) = 180 \cdot 1,6 = 288$$

6) 540 збільши. на 25%

$$540 \cdot \left(1 + \frac{25}{100}\right) = 540 \cdot 1,25 = 675$$

Перевірка: $\begin{array}{r} 675 \\ - 540 \\ \hline 135 \end{array}; 135 = 25\%$

$$\frac{135 \cdot 100}{25} = 540$$

