

$$\textcircled{1} \quad \frac{3}{5} \times \frac{x}{100} = \frac{300}{5x} = \textcircled{60}$$

$$\textcircled{2} \quad \frac{150}{25} \times \frac{x}{100} = \frac{15000}{25x} = \textcircled{600}$$

$$\textcircled{3} \quad \frac{13}{50} \times \frac{x}{100} = \frac{1300}{50x} = \textcircled{26}$$

$$\textcircled{4} \quad 0,04$$

$$\textcircled{5} \quad \text{a) } 0,37 \quad \text{b) } 0,80 \quad \text{c) } 0,145 \quad \text{d) } 60\% \quad \text{e) } 1$$

$$\textcircled{6} \quad \frac{380}{100} \times \frac{x}{15} = \frac{5700}{100x} = \textcircled{57}$$

$$\textcircled{7} \quad \frac{40}{100} \times \frac{x}{15} = \frac{600}{100x} = \textcircled{6}$$

$$\textcircled{8} \quad \frac{36}{6} \times \frac{x}{100} = \frac{3600}{6x} = \textcircled{600}$$

$$\textcircled{9} \quad \frac{300}{15} \times \frac{x}{100} = \frac{30000}{15x} = \textcircled{2000}$$

$$\textcircled{10} \quad \text{fator} = 95 \div 100 = 0,95 \quad 35000 \cdot 0,95 = 33250$$

$$\textcircled{11} \quad \frac{420000}{100} \times \frac{x}{420000} = \frac{407000}{420000x} = 96,90 \quad \left| \begin{array}{r} 100 \\ 96,90 \\ \hline 03,90 \end{array} \right.$$

$$\textcircled{12} \quad \begin{array}{l} \text{fator} = 120 \div 100 = 1,2 \\ 80 \div 100 = 0,8 \end{array} \quad \begin{array}{l} 32 \cdot 1,2 = \textcircled{38,4} \text{ aumento} \\ 32 \cdot 0,8 = \textcircled{25,6} \text{ desconto} \end{array}$$

$$\textcircled{13} \quad \begin{array}{l} \text{fatores} = 0,20 \\ 0,15 \end{array} \quad \begin{array}{l} x + y = 270 \\ 0,20x + 0,15y = 48 \end{array} \quad \begin{array}{l} x = 270 - y \\ -0,05 = -6 \end{array} \quad \begin{array}{l} y = 120 \\ x = 270 - 120 = 150 \end{array}$$

$$(270 - y) \cdot 0,20 + 0,15y = 48$$

$$54 - 0,20y + 0,15y = 48 \quad \left( \begin{array}{l} 0,20 + 0,15 \\ 54 - 48 \end{array} \right)$$

$$y = \frac{6}{0,05} = \frac{6 \cdot 100}{5} = \frac{600}{5} = 120$$

$$\textcircled{14} \quad x - 0,85 = 450$$

$$\text{fator} = 0,85 \quad x = \frac{450}{0,85}$$

$$\frac{450}{15} \times \frac{x}{100} = \frac{45000}{15x} = \textcircled{3000}$$

$$\textcircled{15} \quad \frac{60500}{45} \times \frac{x}{100} = \frac{2722500}{4500x} = 272250$$

$$\frac{60500}{55} \times \frac{x}{100} = \frac{6050000}{55x} = \textcircled{110000}$$

$$\textcircled{16} \quad 300 / 0,03 = \textcircled{10000}$$

$$\text{fator } 0,03$$