

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

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

Fator = 0,85  $\times \cancel{450} \cdot 0,85$

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

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

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

$$\cancel{\frac{60500}{45} \times \frac{x}{100}} = \frac{2722500}{45x} = \textcircled{222225}$$

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

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

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

$$\textcircled{6} \quad \frac{380}{100} \times \frac{x}{15} = \frac{9700}{100x} = \textcircled{57}$$

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

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

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

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

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

$$\textcircled{11} \quad \frac{420000}{100} \times \frac{407000}{x} = \frac{407000000}{420000x} = 96,90 \quad \begin{array}{l} \text{---} \\ \text{---} \\ \text{---} \end{array} \quad \begin{array}{r} 100 \\ -96,90 \\ \hline 04,90 \end{array}$$

$$\textcircled{12} \quad \text{fator} = 120 : 100 = 1,2 \quad 32 \cdot 1,2 = \textcircled{38,4} \quad \text{aumento}$$

$$80 : 100 = 0,8 \quad 32 \cdot 0,8 = \textcircled{25,6} \quad \text{desconto}$$

$$\textcircled{13} \quad \begin{array}{l} x + y = 270 \\ \text{fatores: } 0,20 \quad 0,15 \\ \quad 0,15 \end{array} \quad 0,20x + 0,15y = \cancel{270} \cdot 48$$

$$\begin{array}{l} x = 270 - y \\ -0,05 = -6 \end{array}$$

$$\begin{cases} x = 120 \\ x = 270 - 120 = 150 \end{cases}$$

$$\begin{array}{l} (270 - y) 0,20 + 0,15y = 48 \\ 54 - 0,20y + 0,15y = 48 - (0,2 + 0,15) \\ \quad 54 - 48 = 0,05y \\ \quad 6 = 0,05y \\ \quad y = \frac{6}{0,05} = \frac{6 \cdot 100}{0,05} = \frac{600}{5} = 120 \end{array}$$