

$$\begin{array}{r} 550 \\ \times 18 \\ \hline 4400 \\ 5500+ \\ \hline 9900 \end{array}$$

$$\begin{array}{r} 480 \\ \times 32 \\ \hline 960 \\ 14400+ \\ \hline 15360 \end{array}$$

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# Atividade 1 - Exercícios complementares sobre porcentagem

1)

c) 12% de 300

$$\begin{array}{r} 100 \\ \times \\ \hline 300 \\ \times \end{array}$$

$$100x = 300 \cdot 12$$

$$x = \frac{300 \cdot 12}{100}$$

$$x = 36$$

$$x = 36$$

d) 50% de 80

$$\begin{array}{r} 100 \\ \times \\ \hline 80 \\ \times \end{array}$$

$$100x = 80 \cdot 50$$

$$100x = 4000$$

$$x = \frac{4000}{100}$$

$$x = 40$$

b) 32% de 450

$$\begin{array}{r} 100 \\ \times \\ \hline 450 \\ \times \end{array}$$

$$100x = 450 \cdot 32$$

$$100x = 14400$$

$$x = \frac{14400}{100}$$

$$x = 144$$

e) 3,4% de 2500

$$\begin{array}{r} 100 \\ \times \\ \hline 2500 \\ \times \end{array}$$

$$\begin{array}{r} 1000 \\ \times \\ \hline 2500 \\ \times \end{array}$$

$$1000x = 2500 \cdot 3,4$$

$$1000x = 85000$$

$$x = \frac{85000}{1000}$$

$$\begin{array}{r} 2500 \\ \times 3,4 \\ \hline 10000 \\ 75000+ \\ \hline 85000 \end{array}$$

c) 18% de 550

$$\begin{array}{r} 100 \\ \times \\ \hline 550 \\ \times \end{array}$$

$$100x = 550 \cdot 18$$

$$100x = 9900$$

$$x = \frac{9900}{100}$$

$$x = 99$$

f) 10,5% de 600

$$\begin{array}{r} 100 \\ \times \\ \hline 600 \\ \times \end{array}$$

$$100x = 600 \cdot 10,5$$

$$x = \frac{600 \cdot 10,5}{100}$$

$$x = 63$$

$$x = 63$$

$$\begin{array}{r} 600 \\ \times 10,5 \\ \hline 6000 \\ 30000+ \\ \hline 6300 \end{array}$$

2)

$$\begin{array}{r} 100 \\ 30 \end{array}$$

$$\begin{array}{r} 300 \\ \times \end{array}$$

$$\begin{array}{r} 30 \\ \times 25 \\ 150 \\ 600 \\ 750 \end{array}$$

$$100x = 325.30$$

$$x = \frac{325.30}{100}$$

$$\frac{150}{500} \cdot 100$$

$$K = 80 + 100$$

$$x = 180$$

$$0.38 \cdot 100$$

$$38\%$$

$$5) 310 \text{ h} - 180 \text{ m} = 120 \text{ m}$$

$$m = 120$$

$$3) \frac{3000}{100} = R\$30.00$$

$$30 + 25\% = 30 + (0.25 \times 30) = 30 + 7.50 = R\$37.50$$

$$100 \quad 3000$$

$$4) \begin{array}{r} 100 \\ 30 \end{array}$$

$$\begin{array}{r} 15000 \\ \times \end{array}$$

$$\begin{array}{r} 150 \\ \times 90 \end{array}$$

$$13500$$

$$\begin{array}{r} 12 \\ 135 \end{array}$$

$$\times 15$$

$$1350$$

$$13500$$

$$2025$$

$$100x = 15000.30$$

$$x = \frac{15000.30}{100}$$

$$x = 150.30$$

$$x = 13500$$

$$\begin{array}{r} 249 \\ 13500 \\ - 8025 \\ \hline 11475 \end{array}$$

$$\begin{array}{r} 100 \\ 15 \end{array}$$

$$\begin{array}{r} 13500 \\ \times \end{array}$$

$$100x = 13500.15$$

$$x = \frac{13500.15}{100}$$

$$x = 135.15$$

$$x = 2025$$

$$\text{R\$} 11,475$$



$$\begin{array}{r} 18350 \\ - 1600 \\ \hline 16750 \end{array}$$

$$\begin{array}{r} 5) 100 \quad 1500 \\ \underline{2} \quad \times \end{array}$$

$$100x = 1500.2$$

$$x = \frac{1500.2}{100}$$

$$x = 15.2$$

$$x = 32$$

$$\begin{array}{r} 5) 100 \quad 16750 \\ \underline{2} \quad \times \end{array}$$

$$100x = 16750.2$$

$$x = \frac{16750.2}{100}$$

$$x = 167.5.2$$

$$x = 335$$

$$\begin{array}{r} 167.5 \\ \times 2 \\ \hline 335.0 \end{array}$$

$$\begin{array}{r} 1600 \\ 335 \\ \hline 32 \\ \hline 1967 \end{array}$$

2\$1967.00

$$\begin{array}{r} 240 \quad 13 \\ \hline 80 \end{array}$$

$$30x = 24$$

$$\frac{30x}{100} = 24$$

$$\frac{30x}{100} = 24$$

$$30x = 24.100$$

$$30x = 2400$$

$$x = \frac{2400}{30}$$

$$x = 80$$



$$\begin{array}{r} 35 \\ + 18 \\ \hline 4 \end{array}$$

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b) 25% de  $x = 120$

c) 180% de  $x = 510$

$$\frac{25}{100} \cdot x = 120$$

$$\frac{180}{100} \cdot x = 510$$

$$\frac{54000}{180} = 300$$

$$\frac{25x}{100} = 120$$

$$180x = 510 \cdot 100$$

$$x = \frac{51000}{180}$$

$$25x = 120 \cdot 100$$

$$\frac{120 \cdot 10}{< 100}$$

$$x = 300$$

$$25x = 12000$$

$$x = \frac{12000}{25}$$

$$x = 480$$

$$\begin{array}{r} 237500 \\ \times 5 \\ \hline 1187500 \end{array}$$

7)

c)  $\frac{100}{5} \cdot x = 200000$

b)  $\frac{95}{5} \cdot x = 237500$

$$100x = 200000 \cdot 5$$

$$95x = 237500 \cdot 5$$

$$x = \frac{200000 \cdot 5}{100}$$

$$95x = 1187500$$

$$x = \frac{1187500}{95}$$

$$x = 10000 = 10$$

$$x = 12500$$

$$\begin{array}{r} 250000 \\ \times 15 \\ \hline 3750000 \end{array}$$

8)  $\frac{90}{10} \cdot x = 765$

9)  $\frac{85}{15} \cdot x = 250000$

$$\begin{array}{r} 1250000 \\ + 250000 \\ \hline 1500000 \end{array}$$

$$90x = 765 \cdot 10$$

$$85x = 250000 \cdot 15$$

$$90x = 7650$$

$$85x = 3750000$$

$$10x = 7650$$

$$x = \frac{3750000}{85}$$

$$x = 85$$

$$x = 44117,65$$

$$x = 85$$

$$\begin{array}{r} 765 \\ + 85 \\ \hline 850 \end{array}$$

$$\begin{array}{r} 250000 \\ + 44117,65 \\ \hline 294117,65 \end{array}$$

$$R. 294.117,65$$