



Nome: _____ n° _____ Turma 9A

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Data: 24/08/2021

Ensino Fundamental I
e II

Porcentagem de Porcentagem – 3º Bimestre

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Correção-Aula 9

18) $(x - 40\%x) =$ certa quantia $(x) - 40\%x$ (gastou na compra do livro)

$(x - 40\%x) - 4\%x =$ do que sobrou, gastou 4% na compra do almanaque

$$(x - 40\%x) - (x - 40\%x) - 4\% = 57,60$$

Gastou 4%, então $96\% = 57,60$

$$100\% = x$$

$$x = \frac{100 \cdot 57,60}{96} = \frac{5760}{96} = 60$$

Gastou 40%, então $60\% = 60$

$$100\% = x$$

$$x = \frac{60 \cdot 100}{60} = \frac{6000}{60} = \text{R\$100,00}$$

19) $(30\% \text{ aluguel}) = 30/100 = 0,30$

$(40\% \text{ alimentação}) = 40/100 = 0,40$

$$3000 - 0,30 - 0,40 = x$$

$$\text{Aluguel} = 3000 = 100\%$$

$$x = 30\%$$

$$x = \frac{3000 \cdot 30}{100} = \frac{900000}{100} = 900$$

$$3000 - 900 = 2100$$

$$\text{Alimentação} = 2100 = 100\%$$

$$x = 40\%$$

$$x = \frac{2100 \cdot 40}{100} = \frac{84000}{100} = 840$$

$$3000 - 900 - 840 = \text{R\$1260,00}$$

20) 20% de $100 = 20\%$ do total ou $(0,20 \cdot 100 = 20)$

$$42\% \text{ de } 80 = (0,42 \cdot 80) = 33,60$$

$$100 - 53,60 = \text{46,4\%}$$

$$(20 + 33,60 = 53,60)$$

$$21) H = 60 \cdot \frac{2}{3} = \frac{120}{3} = 40\%$$

$$M = 40 \cdot \frac{3}{5} = \frac{120}{5} = 24\%$$

$$40 + 24 = \mathbf{64\% (c)}$$

$$22) 100 \cdot \frac{3}{4} = \frac{300}{4} = 75\%$$

$$100 \cdot \frac{1}{5} = \frac{100}{5} = 20\%$$

$$75 + 20 = 95\%$$

$$100 - 95 = \mathbf{5\% inadimplentes (c)}$$

$$23) 130\% = 2600$$

$$100\% = x$$

$$x = \frac{2600 \cdot 100}{130} = \frac{260000}{130} = \mathbf{R\$2000,00}$$

$$24) a) 15000 = 100\%$$

$$x = 15\%$$

$$x = \frac{15000 \cdot 15}{100} = \frac{225000}{100} = 2250$$

$$15000 + 2250 = 17250$$

$$17250 = 100\%$$

$$x = 20\%$$

$$x = \frac{17250 \cdot 20}{100} = \frac{345000}{100} = 3450$$

$$17250 + 3450 = \mathbf{20700}$$

$$b) 15000 = 100\%$$

$$20700 = x$$

$$x = \frac{20700 \cdot 100}{15000} = \frac{2070000}{15000} = 138$$

$$138 - 100 = \mathbf{38\%}$$

$$25) 100 + 40 = 140 = 100\%$$

$$x = 25\%$$

$$x = \frac{140 \cdot 25}{100} = \frac{3500}{100} = 35$$

$$100\% + 40\% = 140\% + 35\% = 175 - 100 = \mathbf{75\%}$$

$$26) 100 = 100\%$$

$$x = 12\%$$

$$x = \frac{100 \cdot 12}{100} = \frac{1200}{100} = 12$$

$$100 + 12 = 112 = 100\%$$

$$x = 15\%$$

$$x = \frac{112 \cdot 15}{100} = \frac{1680}{100} = 16,80$$

$$16,80 + 112 = 128,80$$

$$128,80 - 100 = \mathbf{28,8\%}$$

$$27) 100 \cdot 0,05 = 5 + 100 = 105$$

$$105 \cdot 0,04 = 4,20 + 105 = 109,20$$

$$109,20 \cdot 0,06 = 6,55 + 109,20 = 115,75$$

$$115,75 - 100 = \mathbf{15,75\% (b)}$$