

GABARITO Lista 2-Apoio

$$1) \left(\frac{15}{10}\right)^2 \cdot 10^3 = \frac{225}{100} \cdot 1000 = \underline{2250}$$

$$2) 0,6 \times \frac{1}{3} + \frac{4}{5} + \left(\frac{3}{9} \times 3\right) \div (2 - 1,98) + 5 =$$

$$\frac{2}{10} \times \frac{1}{3} + \frac{4}{5} + 1 \div 0,02 + 1$$

$$\frac{1}{5} + \frac{4}{5} + 1 \times \frac{100}{2} + 1$$

$$\frac{5}{5} + 50 + 1 = 1 + 50 + 1 = \underline{52}$$

$$1) (1 - 0,9)^2 + \left(\frac{2}{3} \cdot 0,9 + 5 \cdot \frac{2}{5}\right) \div \frac{26}{15} =$$

$$(0,1)^2 + \left(\frac{2}{3} \cdot \frac{9}{10} + \frac{10}{5}\right) \times \frac{15}{26} =$$

$$\left(\frac{1}{10}\right)^2 + \left(\frac{3}{5} + \frac{10}{5}\right) \times \frac{15}{26}$$

$$\frac{1}{100} + \frac{13}{5} \times \frac{15}{26} = \frac{1}{100} + \frac{3}{2} = \frac{1}{100} + \frac{150}{100} = \underline{1,51}$$

$$\underline{1,51}$$

a) LIQUIDIFICADOR \Rightarrow 326,00

As compras abaixo de 500 mais o desconto de 15%.

$$15\% \text{ de } 326 = \frac{15 \times 326}{100}$$

$$\frac{15 \times 326}{100} = \frac{4890}{100} = 48,90 \text{ mais} \rightarrow \underline{\text{Desconto}}$$

LIQUIDIFICADOR + BATEDeira = 326 + 625 = 951 mais

As compras acima de 500,00 o desconto é de 18%.

$$18\% \text{ de } 951 = \frac{18 \times 951}{100} = \frac{17118}{100} = \underline{171,18} \text{ desconto}$$

$$951 - 171,18 = 779,82$$

5)

d)

$$\underline{1,2 + 0,9} + \underline{2,43 \div 0,09} + \underline{0,625 \div 5} =$$

$$= 2,1 + \frac{243}{9} + \frac{125}{1000} \times \frac{1}{5}$$

$$= 2,1 + \frac{243}{9} + \frac{125}{1000}$$

$$= 2,1 + 27 + 0,125$$

$$= \underline{29,225}$$

b)

$$\left[3 \cdot \left(\frac{7}{3} \times \frac{12}{5}\right) \div \left(\frac{14}{9} \times \frac{36}{25}\right)\right] + \left[17 \div \left(\frac{5}{3} \times \frac{18}{9}\right)\right]$$

$$= \left[3 \cdot \frac{14}{15} \div \frac{56}{25}\right] + \left[17 \div \frac{10}{3}\right] =$$

$$= \left(\frac{14}{5} \times \frac{25}{56}\right) + \left[17 \times \frac{3}{10}\right] =$$

$$= \frac{5}{4} + \frac{51}{10} = \frac{25}{20} + \frac{102}{20} = \frac{127}{20}$$

$$= \frac{127}{20} = \frac{635}{100} = \underline{6,35}$$

$$c) \left(\frac{3}{100} \times 250\right) + \left(\frac{7}{100} \times 150\right) - \left(\frac{4}{100} \times 90\right)$$

$$= \frac{750}{100} + \frac{1050}{100} - \frac{360}{100} =$$

$$= \frac{1440}{100} = \underline{14,40}$$

d)

$$(0,8 - 0,15 \div 0,3)^3 \div 5,4 + (0,5)^2 =$$

$$= (0,8 - 0,5)^3 \div 5,4 + 0,25 =$$

$$= (0,3)^3 \div 5,4 + 0,25 =$$

$$= \frac{27}{1000} \div \frac{54}{10} + \frac{25}{100}$$

$$= \frac{27}{1000} \times \frac{10}{54} \Rightarrow \frac{1}{200} + \frac{25}{100}$$

$$= \frac{1}{200} + \frac{50}{200} = \frac{51}{200} = \frac{51 \times 5}{200 \times 5} = \frac{255}{1000} = \underline{0,255}$$

$$6) a = 4 \div (0,4)^2 \Rightarrow 4 \div 0,16 = \cancel{4} \times \frac{100}{\frac{16}{4}} = \boxed{25}$$

$$b = 0,4 \cdot 4^2 = 0,4 \cdot 16 = \boxed{6,4}$$

$$\boxed{a > b}$$

$$7) a) \left(\frac{4}{10}\right)^3 = \frac{64}{1000} = \boxed{0,064} \quad 1 - 0,064 = \boxed{0,936}$$

$$b) \left(\frac{12}{10}\right)^2 + \left(\frac{9}{10}\right)^2 = \frac{144}{100} + \frac{81}{100} = \frac{225}{100} = \boxed{2,25}$$

$$c) \left(\frac{12}{10} + \frac{9}{10}\right)^2 = \left(\frac{21}{10}\right)^2 = \frac{441}{100} = \boxed{4,41}$$