

Orientações:

- Aula online realizada no dia 24 de agosto de 2020, com o objetivo de corrigir e tirar dúvidas referente as atividades realizadas nos dias 20 e 27 de julho.
- Os gabaritos a seguir, contém a resolução de todos os exercícios para ser entregue aos alunos que não possuem acesso à internet.
- Link com a gravação da aula: <https://youtu.be/W5m5SD2gCt0>

Qualquer dúvida, estou à disposição!!

Atividade 20/07/2020

GABARITO

①

a) $(\frac{+5}{1}) \cdot (\frac{+3}{7}) = \frac{+15}{7}$

b) $(+1,25) \cdot (-3,28) = -4,1$

$1,25 \rightarrow 2$ casas decimais
 $\times 3,28 \rightarrow 2$ casas decimais
 $\frac{1000}{}$
 $250+$
 $375+$
 $\hline 4,1000 \rightarrow 4$ casas decimais
 $\hookrightarrow 4,1000 = 4,1$

c) $(\frac{-5}{16}) \cdot (\frac{+8}{15}) = -\frac{40}{240} = -\frac{1}{6}$

ou usando a técnica do cancelamento:

$(\frac{-\cancel{5}^1}{16}) \cdot (\frac{+8^1}{\cancel{15}_3}) = -\frac{1}{6}$

→ transformamos o 0,6 em fração

$$d) (+0,6) \cdot \left(-\frac{1}{3}\right) = \left(+\frac{3}{5}\right) \cdot \left(-\frac{1}{3}\right) = -\frac{3^{\cdot 3}}{15^{\cdot 3}} = \boxed{-\frac{1}{5}}$$

$$0,6 = \frac{6^{\cdot 2}}{10^{\cdot 2}} = \frac{3}{5}$$

$$e) (-3,7) \cdot (-0,6) = \boxed{+2,22}$$

$$\begin{array}{r} 3,7 \rightarrow 1 \text{ casa decimal} \\ \times 0,6 \rightarrow 1 \text{ casa decimal} \\ \hline 222 \\ 00+ \\ \hline 2,22 \rightarrow 2 \text{ casas decimais} \end{array}$$

$$f) (-1,2) \cdot \left(+\frac{10}{21}\right) = \left(-\frac{12^{\cdot 3}}{10}\right) \cdot \left(+\frac{10}{21^{\cdot 3}}\right) = \boxed{-\frac{4}{7}}$$

$$1,2 = \frac{12}{10}$$

$$g) \left(-\frac{1}{9}\right) : \left(+\frac{5}{3}\right) = \left(-\frac{1}{9}\right) \cdot \left(+\frac{3}{5}\right) = -\frac{3^{\cdot 3}}{45^{\cdot 3}} = \boxed{-\frac{1}{15}}$$

ou:

$$\left(-\frac{1}{9}\right) : \left(+\frac{5}{3}\right) = -\frac{3^{\cdot 3}}{45^{\cdot 3}} = \boxed{-\frac{1}{15}}$$

$$h) \left(\frac{+11}{9}\right) : \left(\frac{+4}{9}\right) = \left(\frac{+11}{\cancel{9}}\right) \cdot \left(\frac{\cancel{9}}{4}\right) = \boxed{\frac{+11}{4}}$$

ou:

$$\left(\frac{+11}{9}\right) : \left(\frac{+4}{9}\right) = + \frac{99}{36} : 9 = \boxed{\frac{+11}{4}}$$

$$i) \left(\frac{-21}{4}\right) : \left(\frac{+7}{1}\right) = \left(\frac{-21}{4}\right) \cdot \left(\frac{+1}{7}\right) = - \frac{21}{28} : 7 = \boxed{-\frac{3}{4}}$$

ou

$$\left(\frac{-21}{4}\right) : \left(\frac{+7}{1}\right) = - \frac{21}{28} : 7 = \boxed{-\frac{3}{4}}$$

$$j) \left(\frac{+2}{1}\right) : \left(\frac{-10}{3}\right) = - \frac{6}{10} : 2 = \boxed{-\frac{3}{5}}$$

$$k) \left(\frac{-5}{8}\right) : \left(\frac{-20}{1}\right) = \frac{+5}{160} : 5 = \boxed{\frac{+1}{32}}$$

$$l) (-7) : (-3,5) = \boxed{+2}$$

$$\begin{array}{r} 7,0 \quad | \quad 3,5 \\ -7,0 \quad | \quad 2 \\ \hline 0 \end{array}$$

$$m) (+1,2) : (+0,8) = \boxed{+1,5}$$

$$\begin{array}{r} 1,2 \quad | \quad 0,8 \\ - \quad 8 \\ \hline 40 \\ - \quad 40 \\ \hline 0 \end{array}$$

$$n) (+2,1) : (0,7) = \boxed{+3}$$

$$\begin{array}{r} 2,1 \quad | \quad 0,7 \\ - \quad 21 \\ \hline 0 \end{array}$$

$$o) (-2,3) : (-2) = \boxed{+1,15}$$

$$\begin{array}{r} 2,3 \quad | \quad 2,0 \\ - \quad 20 \\ \hline 30 \\ - \quad 20 \\ \hline 100 \\ - \quad 100 \\ \hline 0 \end{array}$$

②

$$a) (-8) : (+20) = - \frac{8 : 4}{20 : 4} = \boxed{-\frac{2}{5}}$$

$$b) (+21) : (-14) = - \frac{21 : 7}{14 : 7} = \boxed{-\frac{3}{2}}$$

$$c) (-18) : (+42) = -\frac{18}{42} \stackrel{:6}{=} -\frac{3}{7}$$

$$③ a) \left(-\frac{7}{8}\right) \cdot \left(+\frac{3}{14}\right) \cdot \left(-\frac{4}{3}\right) = +\frac{1}{4}$$

$$b) (-0,5) \cdot \left(-\frac{16}{25}\right) \cdot \left(-\frac{1}{8}\right) =$$

$$0,5 = \frac{5}{10} \stackrel{:5}{=} \frac{1}{2}$$

$$\left(-\frac{1}{2}\right) \cdot \left(-\frac{16}{25}\right) \cdot \left(-\frac{1}{8}\right) = -\frac{1}{25}$$

$$c) (-6) \cdot \left(+\frac{2}{3}\right) \cdot \left(-\frac{2}{3}\right) \cdot (+6) = +16$$

$$d) (-9) \cdot \left(-\frac{8}{3}\right) \cdot \left(+\frac{7}{16}\right) = +\frac{21}{2}$$

Atividade 27/07/2020

GABARITO

$$a) 31 + (-40) : (+2)$$

$$31 + (-20)$$

$$31 - 20$$

$$\boxed{+11}$$

$$b) -10 - 20 : (+4)$$

$$-10 - 5$$

$$\boxed{-15}$$

$$c) (+30) : (-6) + (-18) : (+3)$$

$$(-5) + (-6)$$

$$-5 - 6$$

$$\boxed{-11}$$

$$d) \underbrace{7 : (-7)} + \underbrace{2 \cdot (-6)} + 11$$

$$\underbrace{-1 - 12} + 11$$

$$\underbrace{-13 + 11}$$

$$\boxed{-2}$$

$$e) \underbrace{(-36) : (-4)} + \underbrace{3 \cdot (-3)}$$

$$\underbrace{+9 - 9}$$

$$\boxed{0}$$

$$f) 35 - \underbrace{6 \cdot (+6)} + \underbrace{(+54) : (-6)}$$

$$35 - 36 + (-9)$$

$$\underbrace{35 - 36 - 9}$$

$$\underbrace{35 - 45}$$

$$\boxed{-10}$$

$$g) 2 + (-75) : (-5) - 4 \cdot (-1)$$

$$2 + (+15) + 4$$

$$2 + 15 + 4$$

$$+ 21$$

$$h) 4 \cdot (-20) - (-120) : (+2) + 28 : (-7)$$

$$-80 - (-60) - 4$$

$$-80 + 60 - 4$$

$$-84 + 60$$

$$-24$$