Aluno

Turma

LISTA DE EXERCÍCIOS 7 – 6ª SÉRIE – MATEMÁTICA

Colégio Senhora de Fátima

2º Bimestre

Lista de Exercícios

01. Aplique as regras que aprendeu para resolver as operações abaixo, que envolvem apenas multiplicação e divisão de números racionais.

Se fizer a simplificação antes de multiplicar, use caneta colorida ou lápis de cor para identificar quais números está simplificando.

a) $\left(-\frac{5}{2}\right).\left(-\frac{28}{35}\right)=$	b) $\frac{3}{7}.\left(-\frac{5}{21}\right)=$	c) $\left(-\frac{12}{9}\right).\left(-\frac{3}{28}\right)=$
d) $(-0,8).\left(+\frac{35}{16}\right)=$	e) $\left(+\frac{44}{18}\right).\left(+\frac{21}{33}\right)=$	f) $\left(+\frac{8}{21}\right).\left(-\frac{28}{56}\right)=$
g) $\left(-\frac{39}{16}\right).\frac{32}{78}=$	h) $-\frac{25}{20}.\left(+\frac{28}{35}\right)=$	i) $\left(-\frac{35}{6}\right).\left(-\frac{14}{56}\right)=$
j) $\left(-\frac{4}{45}\right).\left(+\frac{18}{16}\right).\left(-\frac{9}{2}\right)=$	k) $\left(-\frac{25}{16}\right).\left(+\frac{28}{45}\right).\left(-\frac{9}{14}\right)=$	l) $\left(-\frac{1}{3}\right).(-4,5):\left(-\frac{3}{12}\right)=$
m) $\left(\frac{2}{3}\right):\left(-\frac{4}{9}\right)=$	n) $\left(-\frac{1}{5}\right):\left(+\frac{3}{25}\right)=$	o) $\left(+\frac{12}{5}\right):\left(+\frac{3}{15}\right)=$
p) $(-0,5):\left(-\frac{35}{20}\right)=$	q) $\left(-\frac{35}{20}\right):(-7,2)=$	r) $\left(-\frac{12}{56}\right):\left(+\frac{15}{4}\right)=$
s) $(-2):\left(-\frac{4}{3}\right):\left(+\frac{2}{3}\right)=$	t) $\left(-\frac{7}{2}\right):(-0,2):\frac{1}{4}=$	u) $\left(-\frac{3500}{360}\right):\left(+\frac{120}{7000}\right)=$

Lista de Exercícios

02. Calcule as expressões numéricas e, se possível, simplifique as frações, tornando-as irredutíveis.

a) $-1{,}3.\left(-\frac{2}{7}\right)+\frac{2}{7}$	b) $\frac{7}{6}.\frac{6}{77}-\frac{6}{5}:\frac{66}{45}$
c) $-3:\frac{2}{3}-\left(+\frac{1}{4}\right).\left(-\frac{8}{3}\right)$	d) $\left(-\frac{4}{5}\right).\left(-\frac{35}{18}\right)-\left(-\frac{1}{18}\right)$
e) $\frac{3}{4}-\left(-\frac{1}{4}\right).\left(-\frac{16}{3}\right)-\frac{1}{9}.\left(-\frac{3}{5}\right)$	f) $\left(-\frac{1}{5}+\frac{1}{2}\right):\frac{2}{5}+\left(-\frac{1}{3}-\frac{1}{6}\right)$
g) $\left[\left(-\frac{8}{5}\right):(0{,}8)-3\right].\left(-\frac{1}{2}\right)$	h) $-\frac{1}{2}-\left[(+1{,}2):\left(-\frac{3}{10}\right)+(-2)\right]:\left(-\frac{3}{5}\right)$

Lista de Exercícios

GABARITO:

1. a) +2 **b)** $-\frac{5}{49}$ **c)** $+\frac{1}{7}$ **d)** $-\frac{7}{4}$ **e)** $+\frac{14}{9}$ **f)** $-\frac{4}{21}$ **g)** -1 **h)** -1 **i)** $+\frac{35}{24}$ **j)** $+\frac{9}{20}$ **k)** $+\frac{5}{9}$

l) -6 **m)** $-\frac{3}{2}$ **n)** $-\frac{5}{3}$ **o)** $+12$ **p)** $+\frac{2}{7}$ **q)** $+\frac{35}{114}$ **r)** $-\frac{2}{7}$ **s)** $+\frac{9}{4}$ **t)** $+\frac{14}{5}$ **u)** $-\frac{1}{6}$

2. a) $\frac{23}{35}$ **b)** $-\frac{8}{11}$ **c)** $-\frac{23}{6}$ **d)** $\frac{29}{18}$ **e)** $-\frac{31}{60}$ **f)** $-\frac{1}{5}$ **g)** $+\frac{5}{2}$ **h)** $-\frac{21}{2}$