

# CURSO MENTOR

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**Professor:** Leonardo Santos

**Tema:** Frações I

**Data:** 16 de setembro de 2013

**Q1.** Resolva:

a)  $\frac{3}{5} + \frac{9}{5}$

b)  $\frac{2}{7} + \frac{1}{7} + \frac{3}{7}$

c)  $1 + \frac{3}{4}$

d)  $\frac{3}{4} + \frac{4}{3}$

e)  $\frac{1}{3} + \frac{2}{3} + \frac{5}{4}$

f)  $1\frac{2}{3} + 2\frac{1}{3}$

**Q2.** Resolva:

a)  $\frac{1}{4} - \frac{3}{5} + 7$

b)  $\frac{1}{6} + \left(\frac{4}{3} - \frac{1}{8}\right)$

c)  $\frac{2}{7} - \left(\frac{5}{3} + 2\right)$

d)  $\frac{2}{5} - \left\{ \frac{2}{3} - \left[ 3 + \left( -\frac{1}{7} + 8 \right) \right] \right\}$

e)  $1 - \left\{ \left[ \left( \frac{3}{4} - 5 \right) - \left( \frac{4}{7} + 1 \right) \right] - \frac{3}{11} \right\}$

**Q3.** Resolva:

a)  $3 \times \frac{4}{7}$

b)  $\frac{3}{4} \times \frac{4}{9}$

c)  $\frac{4}{5} \times \frac{3}{11} + 1$

d)  $1\frac{2}{3} \times \frac{4}{5}$

e)  $\frac{3}{5} \times \left( -\frac{3}{7} + \frac{1}{10} \right)$

f)  $\frac{3}{7} \times \frac{9}{6} - 1\frac{11}{13}$

g)  $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} \times \frac{4}{5} \times \frac{5}{6} \times \frac{6}{7} \times \frac{7}{8} \times \frac{9}{10} + 10$

**Q4.** Resolva:

a)  $1 \div \frac{2}{3}$

b)  $\frac{4}{7} \div \frac{3}{11}$

c)  $\frac{1}{\frac{1}{2} + \frac{1}{3}}$

d)  $\frac{2 + \frac{3}{7} \times \frac{1}{5}}{\frac{1}{2} - \frac{1}{3}}$

e)  $\frac{4}{5} + \frac{3}{8} \div \frac{5}{9} - \frac{1}{10}$

f)  $\left( \frac{4}{5} + \frac{3}{8} \right) \div \left( \frac{5}{9} - \frac{1}{10} \right)$

g)  $\left[ - \left( 3 \div \frac{4}{5} \right) + \frac{3}{8} \right] \div \left( \frac{5}{7} - \frac{1}{10} + 7 \right)$

h)  $1 - \left( 3 \times \frac{11}{5} + \frac{4}{7} \right) \div \left( \frac{1}{9} - \frac{1}{\frac{1}{3} + \frac{1}{2}} \right)$

GABARITO

**Q1.**                    c)  $\frac{7}{4}$                     e)  $\frac{9}{4}$   
a)  $\frac{12}{5}$   
b)  $\frac{6}{7}$                     d)  $\frac{25}{12}$                     f) 4

**Q2.**                    b)  $\frac{11}{8}$                     d)  $\frac{1112}{105}$   
a)  $\frac{133}{20}$                     c)  $-\frac{71}{21}$                     e)  $\frac{2185}{308}$

**Q3.**                    c)  $\frac{67}{55}$                     f)  $-\frac{219}{182}$   
a)  $\frac{12}{7}$                     d)  $\frac{4}{3}$   
b)  $\frac{1}{3}$                     e)  $-\frac{69}{350}$                     g)  $\frac{101}{10}$

**Q4.**                    c)  $\frac{6}{5}$                     f)  $-\frac{423}{164}$   
a)  $\frac{3}{2}$                     d)  $\frac{438}{35}$                     g)  $-\frac{945}{2132}$   
b)  $\frac{44}{21}$                     e)  $-\frac{11}{8}$                     h)  $\frac{2602}{343}$