OPERACIONES CON FRACCIONES

Calcula, simplificando lo antes posible: Soluciones

a) $\frac{5}{6}-\left(\frac{4}{45}+\frac{1}{9}\right)+\frac{9}{10}-\left(\frac{1}{5}+\frac{2}{15}\right)=$ 6/5

b) $\frac{7}{15}+\frac{3}{4}-\left(\frac{1}{5}+\frac{1}{20}\right)+\frac{1}{6}-\left(\frac{3}{10}+\frac{1}{12}\right)=$ 3/4

c) $\frac{7}{2}-1-\left(\frac{4}{5}-\frac{3}{8}-\frac{3}{20}\right)+\frac{3}{4}-\left(\frac{7}{10}-\frac{3}{5}\right)=$ 23/8

d) $1-\left[\frac{1}{2}+\frac{1}{3}-\left(\frac{1}{4}+\frac{1}{3}-\frac{1}{2}\right)\right]=$ 1/4

e) $1-\left[\frac{1}{2}+\frac{2}{5}-\left(\frac{1}{14}+\frac{2}{7}-\frac{2}{35}\right)\right]+\frac{3}{10}=$ 7/10

f) $\left(\frac{1}{2}+\frac{1}{3}\right)-\left[\frac{5}{2}-\left(2+\frac{1}{3}\right)\cdot\left(1-\frac{1}{7}\right)\right]\cdot\left(1-\frac{1}{3}\right)=$ 1/2

g) $\left\{\frac{1}{2}+\frac{3}{4}\cdot\left(1+\frac{2}{3}\right)-\left[\frac{9}{8}-\left(\frac{1}{4}+\frac{1}{3}\right)\cdot\frac{6}{7}\right]\right\}\cdot\frac{16}{9}=$ 2

h) $\frac{29}{7}-\left(2-\frac{4}{5}\right):\left(\frac{3}{5}+\frac{1}{2}-\frac{3}{4}\right)=$ 5/7

i) $\frac{5}{6}-\frac{3}{7}:\frac{9}{14}+\left(\frac{2}{3}-\frac{4}{9}\right):\frac{16}{45}-\frac{1}{24}=$ 3/4

j) $\frac{\left(3-\frac{1}{4}-\frac{7}{8}\right):\frac{5}{4}-\frac{1}{2}}{\left(\frac{3}{4}-\frac{1}{2}+\frac{1}{3}\right):\left(\frac{19}{12}-\frac{1}{8}\right)}=$ 5/2

k) $\left\{\left[\left(\frac{-3}{5}\right)^3\cdot\left(\frac{-3}{5}\right)^2\right]^3\div\left(\frac{-3}{5}\right)^{15}\right\}-\left(\frac{4}{3}\right)^3\cdot\left(\frac{3}{2}\right)^4=$ -11

l) $\frac{\left(2-\frac{3}{2}\right)^{-2}}{\left[\left(1-\frac{1}{3}\right)\left(-1+\frac{1}{4}\right)\right]^{-1}}=$ -2