Ejercicio: Multiplicación y división de fracciones.

a) $\left(\frac{9}{3}\right)\left(\frac{5}{7}\right)\left(\frac{12}{6}\right) = \frac{90}{672}$ $\frac{45}{336}$ $\frac{15}{112}$

b) $\left(\frac{3}{2} \cdot \frac{10}{3} \cdot \frac{9}{5} = \frac{81}{8100}\right) =$

c) $(2)\left(\frac{8}{6}\right)\left(\frac{12}{4}\right) = \left(\frac{2}{1}\right)\left(\frac{8}{6}\right)\left(\frac{12}{4}\right)$ $\frac{32}{144} = \frac{16}{72} = \frac{8}{36} = \frac{4}{18} =$

d) $\frac{28}{12} : \frac{8}{9} = \frac{224}{108} = \frac{112}{54} = \frac{56}{27}$

e) $\frac{45}{2} \div \frac{3}{2} \div \frac{10}{2}$ $\frac{1350}{8} = \frac{675}{4}$

f) $\frac{40}{12} : \frac{10}{9} = \frac{400}{108} = \frac{200}{54} = \frac{100}{27}$

g) $5\frac{3}{4} \cdot 4\frac{3}{2} (8) \frac{83}{9} = \left(\frac{5}{1}\right)\left(\frac{3}{4}\right)\left(\frac{4}{1}\right)\left(\frac{3}{2}\right)\left(\frac{8}{1}\right)\left(\frac{3}{9}\right)$

$\frac{27}{11520} = \frac{9}{3,840} = \frac{3}{1280}$

h) $\frac{8}{3} : \frac{5}{7} : \frac{12}{6} = \frac{2,680}{126} = \frac{3,840}{63} = \frac{1280}{21}$

i) $5\frac{2}{8} \cdot 3\frac{2}{4} (6) \frac{2}{9} = \left(\frac{5}{1}\right)\left(\frac{2}{8}\right)\left(\frac{3}{1}\right)\left(\frac{2}{4}\right)\left(\frac{6}{1}\right)\left(\frac{2}{9}\right)$

$\frac{8}{25,920} = \frac{4}{12,960} = \frac{2}{6480} = \frac{1}{3,240}$

j) $(2)\left(\frac{8}{6}\right)\left(\frac{72}{4}\right) = \left(\frac{2}{1}\right)\left(\frac{8}{6}\right)\left(\frac{72}{4}\right) =$

$\frac{32}{144} = \frac{16}{72} = \frac{8}{36} = \frac{4}{18} = \frac{2}{9}$

k) $\frac{28}{12} : \frac{8}{9} = \frac{224}{108} = \frac{112}{54} = \frac{56}{27}$

l) $\frac{45}{2} : \frac{3}{2} : \frac{10}{2} = \frac{1350}{8} = \frac{675}{4}$