

INSTITUTO PRIVADO RAFAEL ARÉVALO MARTÍNEZ
IPRAM



LITZY ROSITA DE LEÓN RAMÍREZ

4TO PERITO EN ADMÓN. DE EMPRESAS

CATEDRA: MATEMÁTICA

CATEDRATICA : SANDRA DÍAZ

CICLO ESCOLAR:

2,021

SEGUNDO BLOQUE



MULTIPLICACIÓN Y DIVISIÓN DE FRACCIONES

$$a) \left(\frac{8}{3}\right) \left(\frac{5}{7}\right) \left(\frac{12}{6}\right) = \frac{480}{126} = \frac{240}{63} = \frac{80}{21}$$

$$b) \frac{3}{2} \cdot \frac{10}{3} \cdot \frac{9}{5} = \frac{270}{30} = \frac{135}{15} = \frac{45}{5} = \frac{9}{1}$$

$$c) \left(\frac{2}{1}\right) \left(\frac{8}{6}\right) \left(\frac{12}{4}\right) = \frac{192}{24} = \frac{96}{12} = \frac{48}{6} = \frac{24}{3} = \frac{8}{1}$$

$$d) \frac{28}{12} \div \frac{8}{9} = \frac{252}{96} = \frac{126}{48} = \frac{63}{24} = \frac{21}{8}$$

$$f) \frac{40}{12} \div \frac{10}{9} = \frac{360}{120} = \frac{180}{60} = \frac{90}{30} = \frac{45}{15} = \frac{15}{5} = \frac{3}{1}$$

$$g) 5\frac{3}{4} \cdot 4\frac{3}{2} \left(\frac{8}{1}\right) \left(\frac{3}{2}\right) = \frac{23}{9} \cdot \frac{11}{2} \cdot \frac{8}{1} \cdot \frac{3}{9} = \frac{6072}{72} =$$

$$\frac{3036}{36} = \frac{1518}{18} = \frac{759}{9} = \frac{253}{3}$$

$$e) \frac{45}{2} \div \frac{3}{2} \div \frac{10}{2} = \frac{900}{12} = \frac{450}{6} = \frac{225}{6} = \frac{75}{2}$$

$$h) \frac{8}{3} \div \frac{5}{7} \div \frac{12}{6} = \frac{672}{90} = \frac{336}{45} = \frac{112}{15}$$

$$i) 5\frac{2}{8} \cdot 3\frac{2}{4} \left(\frac{6}{1} \right) \frac{2}{9} = \frac{42}{8} \cdot \frac{14}{4} \cdot \frac{6}{1} \cdot \frac{2}{9} =$$

$$\frac{7056}{288} = \frac{3528}{144} = \frac{1764}{72} = \frac{877}{36}$$

$$j) \left(\frac{2}{1} \right) \left(\frac{8}{6} \right) \left(\frac{12}{4} \right) = \frac{192}{24} = \frac{96}{12} = \frac{48}{6} = \frac{24}{3} = \frac{8}{1}$$

$$k) \frac{28}{12} \div \frac{8}{9} = \frac{252}{96} = \frac{126}{48} = \frac{63}{24} = \frac{21}{8}$$

$$l) \frac{45}{2} \cdot \frac{3}{2} \div \frac{10}{2} = \frac{900}{12} = \frac{450}{6} = \frac{225}{3} = \frac{75}{1}$$

$$\frac{45}{2} \cdot \frac{3}{2} \div \frac{10}{2} = \frac{12}{900} = \frac{6}{450} = \frac{3}{225} = \frac{1}{75}$$