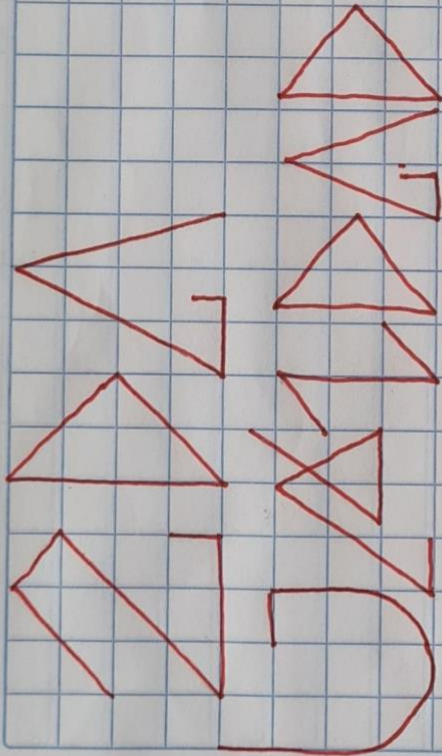




tarca #1

28/04/21

Division De Fracciones

Esto lo aplicamos para saber cuantas veces contiene una fracción a otra. $\times$ el $\div$ por el recíproco del $\div$. Esto equivale a multiplicar sus terminos en forma cruzada. Si es posible simplifica.

Ejemplos:

$$a) \frac{15}{7} \div \frac{12}{7} \div \frac{10}{3} = \frac{252}{1050} = \frac{126}{525} = \frac{42}{175} = \frac{6}{25}$$

$$b) \left(\frac{3}{5} \right) \div \left(-\frac{6}{8} \right) \div \left(-\frac{3}{8} \right) \div \left(\frac{9}{10} \right) = \frac{90}{2760} = \frac{45}{1080} = \frac{15}{360} = \frac{5}{120}$$

Im par = negativo Par = positivo

Aplica solo para x y $\div$

$$\left(-\frac{5}{2} \right) / \left(\frac{6}{5} \right) / \left(-\frac{4}{4} \right) / \frac{3}{4} =$$

$$\frac{13}{2} \div \frac{34}{5} \div \frac{4}{1} \div \frac{3}{4} = \frac{1040}{204} = \frac{520}{102} = \frac{260}{51}$$

Ejercicio

$$a) \left(\frac{8}{3} \right) \left(\frac{5}{7} \right) \left(\frac{12}{6} \right) = \frac{672}{90} = \frac{112}{15}$$

$$b) \frac{3}{2} \cdot \frac{10}{3} \cdot \frac{9}{5} = \frac{270}{100} = \frac{27}{10}$$

$$c) \left(\frac{2}{1} \right) \left(\frac{8}{6} \right) \left(\frac{12}{4} \right) = \frac{144}{32} = \frac{18}{4} = \frac{9}{2}$$

$$d) \frac{28}{12} \div \frac{8}{9} = \frac{252}{96} = \frac{42}{16} = \frac{21}{8}$$

$$e) \frac{45}{2} \div \frac{9}{2} \div \frac{10}{2} = \frac{900}{12} = \frac{150}{2}$$

$$f) \frac{40}{12} \div \frac{10}{9} = \frac{360}{120} = \frac{45}{15} = \frac{9}{3}$$

$$g) 5 \frac{3}{4} \cdot 4 \frac{9}{2} \left(\frac{8}{1} \right) \frac{3}{9} = \frac{23}{4} = \frac{11}{2} = \frac{8}{1} = \frac{3}{9} = \frac{3312}{132}$$

$$\div \frac{556}{22} = \frac{276}{11}$$

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

$$i) \frac{5}{8} \cdot \frac{3}{4} \cdot \frac{2}{9} = \frac{42}{8} \div \frac{14}{4} \div \frac{6}{1} \div \frac{2}{9} = \frac{9072}{224} = \frac{1134}{28} //$$

$$j) \frac{28}{12} \div \frac{8}{9} = \frac{252}{96} = \frac{42}{16} = \frac{21}{8} //$$

$$k) \left(\frac{2}{1} \right) \left(\frac{8}{6} \right) \left(\frac{12}{4} \right) = \frac{144}{32} = \frac{18}{4} = \frac{9}{2} //$$

$$l) \frac{48}{2} \div \frac{3}{2} \div \frac{10}{2} = \frac{900}{12} = \frac{150}{2} //$$