

Boletín Fracciones I – Matemáticas 3º E.S.O.

Ejemplo

$$\begin{aligned} \left(\frac{4}{3} + \frac{1}{2} \div \frac{2}{3}\right) - \frac{3}{4} + \frac{4}{3} \times \frac{1}{2} &= \left(\frac{4}{3} + \frac{1 \cdot 3}{2 \cdot 2}\right) - \frac{3}{4} + \frac{4 \cdot 1}{3 \cdot 2} = \left(\frac{4}{3} + \frac{3}{4}\right) - \frac{3}{4} + \frac{4}{6} = \frac{4}{3} + \frac{3}{4} - \frac{3}{4} + \frac{2}{3} = \\ &= \frac{16 + 9 - 9 + 8}{12} = \frac{24}{12} = 2 \end{aligned}$$

1. Resuelve

a. $\frac{1}{5} + \frac{2}{3} \times \frac{3}{5} - \frac{7}{10} =$

d. $\left(\frac{3}{5} + \frac{1}{3}\right) - \left[\frac{2}{3} - \left(\frac{3}{4} \times \frac{1}{2}\right) + \frac{2}{3} + 5 \div \frac{3}{2}\right] =$

b. $\frac{3}{7} \div \frac{2}{4} + \frac{5}{2} \times \frac{3}{4} - \frac{6}{7} =$

e. $\left(\frac{5}{2} - \frac{7}{3} + \frac{3}{4} \times \frac{1}{3}\right) \div \left[5 - \frac{1}{2}\left(1 + \frac{5}{3}\right) - 3\right] =$

c. $\left(2 + \frac{1}{8}\right) - \left(\frac{3}{4} + \frac{1}{2}\right) \times \left(\frac{1}{2} \div \frac{4}{3}\right) =$

Ejemplo

$$\frac{\frac{2}{3} + \frac{5}{4}}{\frac{4}{5} - \frac{3}{4}} = \frac{\frac{8+15}{12}}{\frac{16-15}{20}} = \frac{\frac{23}{12}}{\frac{1}{20}} = \frac{23 \cdot 20}{12 \cdot 1} = \frac{460}{12} = \frac{230}{6} = \frac{115}{3}$$

2. Resuelve

a. $\frac{\frac{4}{5} - \frac{6}{3}}{\frac{2}{7} + \frac{4}{5}} =$

c. $\frac{\frac{12}{7} \times \frac{8}{5}}{\frac{2}{8} - 3} =$

e. $\frac{(-3) \times \left(\frac{3}{5} - \frac{1}{3}\right)}{(-2) \times \left(\frac{4}{3} - \frac{6}{5}\right)} =$

b. $\frac{3 - \frac{5}{3}}{\frac{7}{5} - 2} =$

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

f. $\frac{2 + \frac{5}{3} \times \frac{3}{7} - 7}{\frac{1}{3} \times \frac{3}{4} - 2 \div \frac{4}{5}} =$

3. Resuelve

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