

$$\frac{10}{3} \div \frac{9}{3} = \frac{5}{5}$$

$$\frac{10}{3} \div \frac{9}{3} = \frac{30}{27} = \frac{10}{9}$$

$$\frac{10}{9} - \frac{5}{5} = \frac{50-45}{45} = \frac{5}{45}$$

3 Completa cada operación

A $\frac{4}{5} \times \frac{1}{2} = \frac{4}{10} = \boxed{\frac{2}{5}}$

B $\frac{3}{4} \times \frac{2}{3} = \frac{6}{12} = \frac{3}{6} = \boxed{\frac{1}{2}}$

C $\frac{1}{3} \times \frac{2}{5} = \boxed{\frac{2}{15}}$

D $\frac{5}{9} \div \frac{3}{2} = \boxed{\frac{10}{27}}$

E $\frac{3}{8} \div \frac{3}{5} = \boxed{\frac{15}{24}}$

F $\frac{9}{5} \div \frac{3}{7} = \boxed{\frac{63}{15}}$

2. Plantea y escribe una estrategia para obtener el resultado de cada operación.

a. $\left(\frac{1}{2} + \frac{2}{4}\right) \times \frac{4}{5}$

$$\begin{array}{r|l} 2 & 4 \\ 1 & 2 \\ & 1 \end{array} \quad \begin{array}{l} 2 \\ 2 \\ \hline \end{array} = 4$$

$$4 \div 2 = 2$$

$$2 \times 1 = 2$$

$$4 \div 4 = 1$$

$$1 \times 2 = 2$$

$$\frac{2 + 2}{4} = \frac{4}{4}$$

$$\frac{4}{4} \times \frac{5}{4} = \frac{20}{16} = \frac{10}{8} = \frac{5}{4}$$

b. $\left(\frac{8}{3} + \frac{4}{6}\right) \div \frac{9}{3} - \left(\frac{2}{10} + \frac{4}{5}\right)$

$$\left(\frac{8}{3} + \frac{4}{6}\right) = \frac{16}{6} + \frac{4}{6} = \frac{20}{6} = \frac{10}{3}$$

$$\frac{10}{3} \div \frac{9}{3} - \left(\frac{2}{10} + \frac{4}{5}\right)$$

$$\left(\frac{2}{10} + \frac{4}{5}\right) = \frac{2}{10} + \frac{8}{10} = \frac{10}{10} = 1$$

Ejercicios: 3

1 En cada caso, calcula y simplifica, si es posible.

A. $\frac{4}{8} \times \frac{7}{6} = \frac{4 \times 7}{8 \times 6} = \frac{28}{48} = \frac{7}{12}$

B. $\frac{5}{7} \times 6$

$$\frac{5}{7} \times \frac{6}{1} = \frac{5 \times 6}{7 \times 1} = \frac{30}{7} = 4 \frac{2}{7}$$

$$\begin{array}{r} \overset{\text{red arrow}}{4} \\ 7 \overline{) 30} \\ \underline{28} \\ 2 \end{array}$$

C. $\frac{8}{11} \div \frac{9}{10} = \frac{8 \times 10}{11 \times 9} = \frac{80}{99}$

D. $\frac{7}{15} \times \frac{8}{16} = \frac{7 \times 8}{15 \times 16} = \frac{7}{15} \times \frac{1}{2} = \frac{7}{30}$

E. $\frac{4}{6} \div \frac{2}{1} = \frac{4 \times 1}{6 \times 2} = \frac{4}{12} = \frac{1}{3}$

F. $\frac{3}{4} \times \frac{2}{8} = \frac{3 \times 2}{4 \times 8} = \frac{6}{32} = \frac{3}{16}$