

Ejercicios

1 En cada caso, calcula y simplifica si es posible

$$a \quad \frac{4}{8} \times \frac{7}{8} = \frac{4 \times 7}{8 \times 8} = \frac{28}{64} = \frac{7}{16}$$

$$b \quad \frac{5}{7} \times 6 = \frac{5 \times 6}{7} = \frac{30}{7}$$

$$c \quad \frac{8}{11} \div \frac{9}{10} = \frac{8 \times 10}{11 \times 9} = \frac{80}{99}$$

$$d \quad \frac{7}{15} \times \frac{8}{16} = \frac{7 \times 8}{15 \times 16} = \frac{56}{240} = \frac{7}{30}$$

$$e \quad \frac{4}{6} \div 2 = \frac{4}{6} \times \frac{1}{2} = \frac{4}{12} = \frac{1}{3}$$

$$f \quad \frac{3}{4} \times \frac{2}{8} = \frac{3 \times 2}{4 \times 8} = \frac{6}{32} = \frac{3}{16}$$

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

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

$$\frac{2+2}{4} = \frac{4}{4} \quad \left(\frac{4}{5} \right) =$$

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

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

$$\frac{8+4}{6} = \frac{12}{6} \div \frac{9}{3} =$$

$$\frac{12}{6} \div \frac{9}{3} = \frac{12 \times 3}{6 \times 9} = \frac{36}{54} = \frac{2}{3} - \left(\frac{2}{10} + \frac{4}{5} \right)$$

$$\frac{20+4}{2+5} = \frac{24}{7} = \frac{21}{7} - \frac{14}{7} = \frac{147-1764}{903} = \frac{1617}{903}$$

3 Completa cada operacion

$$a \quad \frac{4}{5} \times \frac{1}{2} = \frac{4 \times 2}{5 \times 1} = \frac{8}{5}$$

$$b \quad \frac{3}{4} \times \frac{3}{2} = \frac{3 \times 2}{4 \times 3} = \frac{6}{12}$$

$$c \quad \frac{1}{3} \times \frac{5}{2} = \frac{1 \times 2}{3 \times 5} = \frac{2}{15}$$

$$d \quad \frac{5}{9} \div \frac{3}{2} = \frac{5 \times 2}{9 \times 3} = \frac{10}{27}$$

$$e \quad \frac{3}{8} \div \frac{3}{5} = \frac{3 \times 5}{8 \times 3} = \frac{15}{24}$$

$$f \quad \frac{9}{5} \div \frac{3}{7} = \frac{9 \times 7}{5 \times 3} = \frac{63}{15}$$