

OPERACIONES COMBINADAS CON FRACCIONES

Resuelve las siguientes operaciones con fracciones:

$$\text{a) } \frac{1}{2} + \frac{2}{5} : 1 - \frac{1}{10} =$$

$$\text{b) } \frac{1}{5} : \frac{2}{5} - 2 \cdot 1 - \frac{9}{10} =$$

$$\text{c) } \frac{2}{5} + \frac{1}{3} : 1 - \frac{14}{15} =$$

$$\text{d) } \frac{2}{5} : \frac{6}{10} - 2 \cdot 1 - \frac{8}{10} =$$

$$\text{e) } \frac{3}{4} + \frac{1}{6} : 1 - \frac{11}{12} =$$

$$\text{f) } \frac{1}{4} : \frac{3}{4} - 2 \cdot 1 - \frac{7}{8} =$$

SOLUCIONES

$$a) \frac{1}{2} + \frac{2}{5} : 1 - \frac{1}{10} = \frac{5+4}{10} : \frac{10-1}{10} = \frac{9}{10} : \frac{9}{10} = 1$$

$$b) \frac{1}{5} : \frac{2}{5} - 2 \cdot 1 - \frac{9}{10} = \frac{1}{5} : \frac{2}{5} - \frac{20-18}{10} = \frac{1}{5} : \frac{2}{5} = 1$$

$$c) \frac{2}{5} + \frac{1}{3} : 1 - \frac{14}{15} = \frac{6+5}{15} : \frac{15-14}{15} = \frac{11}{15} : \frac{1}{15} = \frac{165}{15} = 11$$

$$d) \frac{2}{5} : \frac{6}{10} - 2 \cdot 1 - \frac{8}{10} = \frac{2}{5} : \frac{6}{10} - \frac{20-16}{10} = \frac{2}{5} : \frac{2}{10} = \frac{20}{10} = 2$$

$$e) \frac{3}{4} + \frac{1}{6} : 1 - \frac{11}{12} = \frac{9+2}{12} : \frac{12-11}{12} = \frac{11}{12} : \frac{1}{12} = \frac{132}{12} = 11$$

$$f) \frac{1}{4} : \frac{3}{4} - 2 \cdot 1 - \frac{7}{8} = \frac{1}{4} : \frac{3}{4} - \frac{16-14}{8} = \frac{1}{4} : \frac{1}{2} = \frac{1}{2}$$

NIVEL II

I.E.S. GONZALO NAZARENO

OPERACIONES COMBINADAS CON FRACCIONES

Resuelve las siguientes operaciones con fracciones:

$$\text{a) } \frac{1}{4} + \frac{1}{3} : 1 - \frac{5}{12} =$$

$$\text{b) } \frac{1}{3} : \frac{2}{6} - 2 : 1 - \frac{11}{12} =$$

$$\text{c) } \frac{1}{2} + \frac{2}{5} : 1 - \frac{1}{10} =$$

$$\text{d) } \frac{2}{5} : \frac{3}{5} - 2 : 1 - \frac{9}{10} =$$

$$\text{e) } \frac{1}{2} + \frac{2}{5} : 1 - \frac{1}{10} =$$

$$\text{f) } \frac{1}{5} : \frac{2}{5} - 2 : 1 - \frac{9}{10} =$$

SOLUCIONES

$$\text{a) } \frac{1}{4} + \frac{1}{3} : 1 - \frac{5}{12} = \frac{3+4}{12} : \frac{12-5}{12} = \frac{7}{12} : \frac{7}{12} = 1$$

$$\text{b) } \frac{1}{3} : \frac{2}{6} - 2 : 1 - \frac{11}{12} = \frac{1}{3} : \frac{2}{6} - \frac{24-22}{12} = \frac{1}{3} : \frac{2}{6} - \frac{2}{12} = \frac{1}{3} : \frac{2}{12} = 2$$

$$c) \frac{1}{2} + \frac{2}{5} : 1 - \frac{1}{10} = \frac{5+4}{10} : \frac{10-1}{10} = \frac{9}{10} : \frac{9}{10} = 1$$

$$d) \frac{2}{5} : \frac{3}{5} - 2 : 1 - \frac{9}{10} = \frac{2}{5} : \frac{3}{5} - \frac{20-18}{10} = \frac{2}{5} : \frac{2}{5} = 1$$

$$e) \frac{1}{2} + \frac{2}{5} : 1 - \frac{1}{10} = \frac{5+4}{10} : \frac{10-1}{10} = \frac{9}{10} : \frac{9}{10} = 1$$

$$f) \frac{1}{5} : \frac{2}{5} - 2 : 1 - \frac{9}{10} = \frac{1}{5} : \frac{2}{5} - \frac{20-18}{10} = \frac{1}{5} : \frac{2}{10} = 1$$