



EJERCICIOS

1.- Realiza las siguientes sumas y restas, reduciendo a común denominador:

$$a) \frac{3}{4} + \frac{5}{6} = \frac{9}{12} + \frac{10}{12} = \frac{19}{12}$$

$$d) \frac{7}{12} + \frac{4}{20} = \frac{35}{60} + \frac{12}{60} = \frac{47}{60}$$

$$b) \frac{5}{6} + \frac{1}{9} = \frac{15}{18} + \frac{2}{18} = \frac{17}{18}$$

$$e) \frac{7}{3} - \frac{4}{5} + \frac{5}{6} = \frac{70}{30} - \frac{24}{30} + \frac{25}{30} = \frac{71}{30}$$

$$c) \frac{1}{3} - \frac{1}{4} = \frac{4}{12} - \frac{3}{12} = \frac{1}{12}$$

$$f) \frac{7}{8} + \frac{5}{4} - \frac{1}{6} = \frac{21}{24} + \frac{30}{24} - \frac{4}{24} = \frac{47}{24}$$

$$g) \frac{1}{8} - \frac{4}{2} = \frac{1}{8} - \frac{16}{8} = -\frac{15}{8}$$

$$h) \frac{4}{9} - \frac{1}{3} + \frac{5}{12} = \frac{16}{36} - \frac{12}{36} + \frac{15}{36} = \frac{29}{36}$$

$$i) 3 - \frac{1}{3} = \frac{9}{3} - \frac{1}{3} = \frac{8}{3}$$

$$j) \frac{4}{9} + 2 = \frac{4}{9} + \frac{18}{9} = \frac{22}{9}$$

2.- Realiza las siguientes multiplicaciones y divisiones:

$$\frac{2}{6} \cdot \frac{6}{7} = \frac{12}{42} = \frac{2}{7}$$

$$\frac{1}{2} : \frac{3}{4} = \frac{1}{2} \cdot \frac{4}{3} = \frac{2}{3}$$

$$\frac{3}{5} \cdot \frac{3}{4} = \frac{9}{20}$$

$$\frac{4}{6} \cdot \frac{5}{2} : \frac{3}{4} = \frac{4}{6} \cdot \frac{5}{2} \cdot \frac{4}{3} = \frac{40}{36} = \frac{10}{9}$$

$$\frac{8}{9} : \frac{5}{6} = \frac{8}{9} \cdot \frac{6}{5} = \frac{48}{45} = \frac{16}{15}$$

$$\frac{5}{6} \cdot \left(\frac{-1}{2} : \frac{3}{4} \right) = \frac{5}{6} \cdot \left(\frac{-1}{2} \cdot \frac{4}{3} \right) = \frac{5}{6} \cdot \left(-\frac{2}{3} \right) = -\frac{10}{18} = -\frac{5}{9}$$

$$\frac{3}{5} : \frac{6}{5} = \frac{3}{5} \cdot \frac{5}{6} = \frac{15}{30} = \frac{1}{2}$$

$$\frac{7}{9} \cdot \left(\frac{3}{4} : 5 \right) = \frac{7}{9} \cdot \left(\frac{3}{4} \cdot \frac{1}{5} \right) = \frac{7}{9} \cdot \frac{3}{20} = \frac{21}{180} = \frac{7}{60}$$