

$$\frac{1}{3} \quad \frac{1}{4}$$

$$\begin{array}{r|l} 3 & 4 \\ 1 & 4 \\ & 2 \\ & 1 \end{array}$$

12

$$\frac{3}{12} + \frac{4}{12} = \frac{7}{12}$$

$$\frac{3}{5} + \frac{5}{6}$$

$$\begin{array}{r|l} 5 & 6 \\ 1 & 6 \\ & 3 \\ & 1 \end{array}$$

30

$$\frac{10}{30} + \frac{18}{30} = \frac{28}{30}$$

$$\frac{3}{4} + \frac{1}{8}$$

$$\begin{array}{r|l} 4 & 8 \\ 2 & 8 \\ 1 & 8 \\ & 4 \\ & 2 \\ & 1 \end{array} \quad \begin{array}{l} 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \end{array}$$

$$\frac{1}{32} + \frac{14}{32} = \frac{15}{32}$$

$$\frac{5}{4} + \frac{3}{8}$$

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

$$\frac{4}{8} + \frac{10}{8} = \frac{14}{8}$$

2. Haz las siguientes adiciones buscando el mínimo común denominador.

A. $\frac{5}{4} + \frac{3}{6}$

B. $\frac{3}{5} + \frac{1}{15}$

C. $\frac{3}{8} + \frac{5}{6}$

D. $\frac{5}{12} + \frac{7}{15}$

A $\frac{5}{4} + \frac{3}{6}$

$$\frac{5 \times 3}{4 \times 3} + \frac{3 \times 2}{6 \times 2} = \frac{15}{12} + \frac{6}{12} = \frac{21}{12}$$

$$\begin{array}{r|l} 4 & 3 \\ 2 & 3 \\ 1 & 3 \\ & 1 \end{array} \quad \begin{array}{l} 2 \\ 2 \\ 2 \\ 2 \end{array}$$

B $\frac{3}{5} + \frac{1}{15}$

$$\frac{3 \times 3}{5 \times 3} = \frac{9}{15} + \frac{1}{15} = \frac{10}{15} \div 5 = \frac{3}{3}$$

$$\begin{array}{r|l} 5 & 15 \\ 5 & 3 \\ 1 & 3 \end{array} \quad \begin{array}{l} 3 \\ 3 \\ 3 \end{array}$$

$$C. \frac{3}{8} + \frac{5}{8}$$

$$\frac{3 \times 1}{8 \times 1} + \frac{5 \times 1}{8 \times 1} = \frac{8}{8} = \frac{24}{24}$$

$$\begin{array}{r} 24 \\ 2 \\ 12 \\ 6 \\ 3 \\ 1 \end{array}$$

$$D. \frac{5}{12} + \frac{3}{15}$$

$$\frac{5 \times 5}{12 \times 5} + \frac{3 \times 4}{15 \times 4} = \frac{25}{60} + \frac{12}{60} = \frac{37}{60}$$

$$\begin{array}{r} 12 \quad 15 \quad 12 \\ 6 \quad 15 \quad 2 \\ 3 \quad 15 \quad 3 \\ 1 \quad 15 \quad 3 \\ \quad 5 \quad 5 \\ \quad 1 \end{array} = 60$$

3. Haz las siguientes sustracciones usando el mínimo común múltiplo

$$E. \frac{5}{4} - \frac{1}{6}$$

$$F. \frac{2}{3} - \frac{3}{4}$$

$$G. \frac{1}{6} - \frac{2}{3}$$

$$H. \frac{1}{2} - \frac{1}{3}$$

$$I. \frac{1}{2} - \frac{1}{3}$$

$$E. \frac{5}{4} - \frac{1}{6}$$

$$\frac{5 \times 3}{4 \times 3} - \frac{1 \times 2}{6 \times 2} = \frac{15}{12} - \frac{2}{12} = \frac{13}{12} = 1 \frac{1}{12}$$

$$\begin{array}{r} 4 \quad 6 \quad 12 \\ 2 \quad 3 \quad 2 \quad 12 \\ 1 \quad 3 \quad 3 \\ 1 \end{array}$$

$$F. \frac{2}{3} - \frac{3}{4}$$

$$\frac{2 \times 4}{3 \times 4} - \frac{3 \times 3}{4 \times 3} = \frac{8}{12} - \frac{9}{12} = -\frac{1}{12}$$

$$\begin{array}{r} 8 \quad 4 \quad 2 \\ 4 \quad 2 \quad 2 \quad 8 \\ 2 \quad 1 \quad 2 \\ 1 \end{array}$$

$$6. \frac{11}{10} - \frac{3}{5}$$

$$\frac{11}{10} \times \frac{1}{1} - \frac{3}{5} \times \frac{2}{2} = \frac{11}{10} - \frac{6}{10} = \frac{10}{10} = \frac{1}{1}$$

$$\begin{array}{r} 10 \quad 5 \quad 2 \\ 5 \quad 5 \quad 5 \\ 1 \quad 1 \quad 1 \end{array} \quad 10$$

$$11. \frac{7}{9} - \frac{1}{6}$$

$$\frac{7}{9} \times \frac{2}{2} - \frac{1}{6} \times \frac{3}{3} = \frac{14}{18} - \frac{3}{18} = \frac{11}{18}$$

$$1. \frac{6}{12} - \frac{1}{3}$$

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

$$\begin{array}{r} 12 \quad 3 \quad 2 \\ 6 \quad 3 \quad 2 \\ 3 \quad 3 \quad 3 \\ 1 \quad 1 \quad 1 \end{array} \quad 12$$