

SUMA Y RESTA DE FRACCIONES

Recuerda que una vez efectuada la operación debes hallar la fracción irreducible.

PRODUCTOS CRUZADOS

$$\frac{3}{4}+\frac{5}{7}=\frac{3\times 7}{4\times 7}+\frac{5\times 4}{7\times 4}=\frac{21}{28}+\frac{20}{28}=\frac{41}{28}$$

$$\frac{2}{9}+\frac{3}{4}+\frac{7}{5}=\frac{2\times 4\times 5}{9\times 4\times 5}+\frac{3\times 9\times 5}{4\times 9\times 5}+\frac{7\times 9\times 4}{5\times 9\times 4}=\frac{40}{180}+\frac{135}{180}+\frac{252}{180}=\frac{427}{180}$$

$$\frac{4}{5}-\frac{3}{10}=\frac{4\times 10}{5\times 10}-\frac{3\times 5}{10\times 5}=\frac{40}{50}-\frac{15}{50}=\frac{25}{50}=\frac{1}{2}$$

$$\frac{3}{5}+\frac{1}{2}+\frac{3}{4}=\frac{3\times 2\times 4}{5\times 2\times 4}+\frac{1\times 5\times 4}{2\times 5\times 4}+\frac{3\times 5\times 2}{4\times 5\times 2}=\frac{24}{40}+\frac{20}{40}+\frac{30}{40}=\frac{74}{40}=\frac{37}{20}$$

MÍNIMO COMÚN MÚLTIPLO

$$\frac{a}{b}=\frac{a\ \times\ (m.c.m.:b)}{m.c.m.}$$

$\frac{3}{4}+\frac{2}{6}$ m.c.m. (4,6) = 12

$$\frac{3}{4}+\frac{1}{6}=\frac{3\times(12:4)}{12}+\frac{1\times(12:6)}{12}=\frac{9}{12}+\frac{2}{12}=\frac{11}{12}$$

$\frac{5}{9}+\frac{7}{18}+\frac{7}{12}$ m.c.m. (9,18,12) = 36

$$\frac{5}{9}+\frac{7}{18}+\frac{7}{12}=\frac{5\times(36:9)}{36}+\frac{7\times(36:18)}{36}+\frac{7\times(36:12)}{36}=\frac{20}{36}+\frac{14}{36}+\frac{21}{36}=\frac{55}{36}$$

LIVEWORKSHEETS

$\frac{4}{5} - \frac{3}{10}$ m.c.m. (5,10) = 10

$$\frac{4}{5} - \frac{3}{10} = \frac{4 \text{ x } (10 : 5)}{10} - \frac{3 \text{ x } (10 : 10)}{10} = \frac{8}{10} - \frac{3}{10} = \frac{5}{10} = \frac{1}{2}$$

$\frac{5}{6} + \frac{3}{28} + \frac{3}{7}$ m.c.m. (6,28,7) = 84

$$\frac{5}{6} + \frac{3}{28} + \frac{4}{7} = \frac{5 \text{ x } (84 : 6)}{84} + \frac{3 \text{ x } (84 : 28)}{84} + \frac{4 \text{ x } (84 : 7)}{84} = \frac{70}{84} + \frac{9}{84} + \frac{48}{84} = \frac{127}{84}$$

LIVEWORKSHEETS