



Actividad 5: Adición y sustracción de fracciones



1) Resuelve las siguientes adiciones y sustracciones de fracciones con igual denominador



$$\frac{2}{11} + \frac{10}{11} = \frac{\quad}{\quad} + \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$

$$\frac{15}{17} - \frac{8}{17} = \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$

$$\frac{1}{5} + \frac{6}{5} - \frac{2}{5} = \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

2) Resuelve las siguientes adiciones y sustracciones de fracciones con distinto denominador, considera el m.c.m. dado.

$$\frac{2}{5} + \frac{1}{10} = \frac{2 \cdot \quad}{5 \cdot \quad} + \frac{1 \cdot \quad}{10 \cdot \quad}$$
$$= \frac{\quad}{10} + \frac{\quad}{10}$$
$$= \frac{\quad}{\quad} + \frac{\quad}{\quad}$$
$$= \frac{\quad \div 5}{\quad \div 5} = \frac{\quad}{\quad}$$

m.c.m. (5, 10) = 10

$$\frac{2}{3} - \frac{1}{2} = \frac{2 \cdot \quad}{3 \cdot \quad} - \frac{1 \cdot \quad}{2 \cdot \quad}$$
$$= \frac{\quad}{\quad} - \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$

m.c.m. (2, 3) = 6

$$\frac{4}{5} + \frac{1}{3} - \frac{3}{6} = \frac{4 \cdot \quad}{5 \cdot \quad} + \frac{1 \cdot \quad}{3 \cdot \quad} - \frac{3 \cdot \quad}{6 \cdot \quad}$$
$$= \frac{\quad}{\quad} + \frac{\quad}{\quad} - \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$

m.c.m. (5, 3, 6) = 30

3) Resuelve las siguientes adiciones y sustracciones de fracciones con distinto denominador.

$$\frac{3}{8} + \frac{7}{10} = \frac{3 \cdot \quad}{8 \cdot \quad} + \frac{7 \cdot \quad}{10 \cdot \quad}$$
$$= \frac{\quad}{\quad} + \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad} + \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$

m.c.m. (8, 10) = 40

$$\frac{2}{3} - \frac{1}{6} = \frac{\quad}{\quad} - \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad} - \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$
$$= \frac{\quad \div 3}{\quad \div 3} = \frac{\quad}{\quad}$$

m.c.m. (3, 6) = 6

$$\frac{3}{4} + \frac{1}{2} - \frac{5}{6} = \frac{3 \cdot \quad}{4 \cdot \quad} + \frac{1 \cdot \quad}{2 \cdot \quad} - \frac{5 \cdot \quad}{6 \cdot \quad}$$
$$= \frac{\quad}{\quad} + \frac{\quad}{\quad} - \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$
$$= \frac{\quad}{\quad}$$

m.c.m. (2, 4, 6) = 12