

ADICIONES CON FRACCIONES MIXTAS

Recuerda: El **mínimo común múltiplo (m.c.m.)** se **divide con el denominador** y **multiplica con el numerador**.

$$3\frac{1}{4} + 5\frac{3}{4} = \frac{13}{4} + \frac{23}{4} = \frac{13+23}{4} = \frac{36}{4} = 9$$

$$3\frac{1}{4} = \frac{3 \times 4 + 1}{4} = \frac{13}{4}$$

$$5\frac{3}{4} = \frac{5 \times 4 + 3}{4} = \frac{23}{4}$$

$$3\frac{3}{4} + 5\frac{5}{9} + 7\frac{1}{12} = \frac{15}{4} + \frac{50}{9} + \frac{85}{12} = \frac{135 + 200 + 255}{36} = \frac{590 \div 2}{36 \div 2} = \frac{295}{18} = 16\frac{7}{18}$$

$$3\frac{3}{4} = \frac{3 \times 4 + 3}{4} = \frac{15}{4}$$

$$5\frac{5}{9} = \frac{5 \times 9 + 5}{9} = \frac{50}{9}$$

$$7\frac{1}{12} = \frac{7 \times 12 + 1}{12} = \frac{85}{12}$$

m.c.m. (4-9-12) = 2 × 2 × 3 × 3 = 36

4 - 9 - 12	2
2 - 9 - 6	2
- 9 - 3	3
3	3
1 - 1 - 1	

295 295 - 288 7	18 16	15x18=270 16x18=288 295-288=7 17x18=306
---	--	--

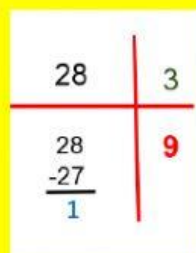
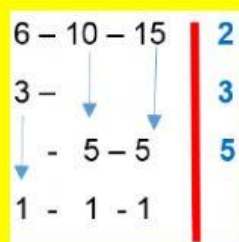
$$4\frac{1}{6} + 3\frac{1}{10} + 2\frac{1}{15} = \frac{25}{6} + \frac{31}{10} + \frac{31}{15} = \frac{125+93+62}{30} = \frac{280}{30} = \frac{280 \div 2}{30 \div 2} = \frac{140}{15} = \frac{140 \div 5}{15 \div 5} = \frac{28}{3} = 9\frac{1}{3}$$

$$4\frac{1}{6} = \frac{4 \times 6 + 1}{6} = \frac{25}{6}$$

$$3\frac{1}{10} = \frac{3 \times 10 + 1}{10} = \frac{31}{10}$$

$$2\frac{1}{15} = \frac{2 \times 15 + 1}{15} = \frac{31}{15}$$

m.c.m. (6-10-15) = $2 \times 3 \times 5 = 30$



Relacione los ejercicios de adiciones con fracciones mixtas de la izquierda con las respuestas de la derecha

EJERCICIOS

$$8\frac{3}{7} + 6\frac{5}{7} =$$

$$9\frac{3}{5} + 4\frac{1}{10} =$$

$$7\frac{1}{8} + 3\frac{5}{24} =$$

$$5\frac{1}{8} + 6\frac{3}{20} =$$

$$5\frac{4}{5} + 6\frac{2}{5} + 8\frac{3}{5} =$$

RESPUESTAS

$$20\frac{4}{5}$$

$$15\frac{1}{7}$$

$$13\frac{7}{10}$$

$$10\frac{1}{3}$$

$$11\frac{11}{40}$$