



T19: Suma de Fracciones Heterogéneas

NOMBRE:

SÉPTIMO EGB

PARALELO:

FECHA:

a. $\frac{1}{3} - \frac{3}{8} - \frac{5}{24} =$

$$\begin{array}{r} \frac{1}{3} - \frac{3}{8} - \frac{5}{24} = \\ \downarrow \quad \downarrow \quad \downarrow \\ = \frac{8}{24} - \frac{9}{24} - \frac{5}{24} = \\ = \frac{8-9-5}{24} = \\ = \frac{-14-5}{24} = \\ = -\frac{19}{24} = \\ = -\frac{19}{24} \text{ Fracción Propia} \end{array}$$

b. $\frac{2}{3} + \frac{6}{2} - \frac{4}{8} + \frac{3}{4} =$

$$\begin{array}{r} \frac{2}{3} + \frac{3}{1} - \frac{1}{2} + \frac{3}{4} = \\ \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \\ = \frac{8}{12} + \frac{36}{12} - \frac{6}{12} + \frac{9}{12} = \end{array}$$



$$= \frac{8+36-6+9}{12} =$$

$$= \frac{-6+53}{24} =$$

$$= \frac{47}{12} = \text{Fracción Impropia}$$

$$= 3\frac{11}{12}$$

c. $-\frac{1}{2} + \frac{2}{15} - \frac{7}{10} =$

$$-\frac{1}{2} + \frac{2}{15} - \frac{7}{10} =$$

$\downarrow \quad \quad \downarrow \quad \quad \downarrow$

$$= -\frac{15}{30} + \frac{4}{30} - \frac{21}{30} =$$

$$= \frac{-15+4-21}{30} =$$

$$= \frac{-36+4}{30} =$$

$$= -\frac{32}{30} =$$

$$= -\frac{16}{15} = \text{Fracción Impropia}$$

$$= -1\frac{1}{15}$$



d. $-\frac{1}{3} + \frac{1}{4} - \frac{1}{8} - \frac{1}{6} =$

$$-\frac{1}{3} + \frac{1}{4} - \frac{1}{8} - \frac{1}{6} =$$

$$\begin{array}{ccccccc} & \downarrow & & \downarrow & & \downarrow & & \downarrow \\ = & -\frac{8}{24} & + & \frac{6}{24} & - & \frac{3}{24} & - & \frac{4}{24} = \end{array}$$

$$= \frac{-8+6-3-4}{24} =$$

$$= \frac{-15+6}{24} =$$

$$= -\frac{9}{24} = -\frac{3}{8} \quad \text{Fracción Propia}$$

e. $-\frac{2}{5} + \frac{1}{10} - \frac{3}{15} =$

$$-\frac{2}{5} + \frac{1}{10} - \frac{3}{15} =$$

$$\begin{array}{ccc} \downarrow & \downarrow & \downarrow \\ = & -\frac{12}{30} & + \frac{3}{30} - \frac{6}{30} = \end{array}$$

$$= \frac{-12+3-6}{30} =$$

$$= \frac{-18+3}{30} =$$

$$= -\frac{15}{30} = -\frac{1}{2} \quad \text{Fracción Propia}$$



f. $\frac{11}{4} + \frac{4}{9} - \frac{11}{18} =$

$$\begin{array}{r} \frac{11}{4} + \frac{4}{9} - \frac{11}{18} = \\ \downarrow \quad \downarrow \quad \downarrow \\ = \frac{99}{36} + \frac{16}{36} - \frac{22}{36} = \\ = \frac{99+16-22}{36} = \\ = \frac{-22+115}{36} = \\ = \frac{93}{36} = \\ = \frac{31}{12} = \text{Fracción Impropia} \\ = 2\frac{7}{12} \end{array}$$

g. $-\frac{1}{8} + \frac{1}{9} - \frac{3}{24} =$

$$\begin{array}{r} -\frac{1}{8} + \frac{1}{9} - \frac{1}{8} = \\ \downarrow \quad \downarrow \quad \downarrow \\ = -\frac{9}{72} + \frac{8}{72} - \frac{9}{72} = \\ = \frac{-9+8-9}{72} = \end{array}$$



$$= \frac{-18+8}{72} =$$

$$= -\frac{10}{72} =$$

$$= -\frac{5}{36} \quad \text{Fracción Propia}$$

h. $-\frac{1}{12} + \frac{3}{4} - \frac{1}{6} - \frac{1}{4} =$

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

$$\begin{array}{ccccccc} & \downarrow & & \downarrow & & \downarrow & & \downarrow \\ = & -\frac{1}{12} & + & \frac{9}{12} & - & \frac{2}{12} & - & \frac{3}{12} = \end{array}$$

$$= \frac{-1+9-2-3}{12} =$$

$$= \frac{-6+9}{12} =$$

$$= \frac{3}{12} = \frac{1}{4} \quad \text{Fracción Propia}$$

i. $-\frac{4}{6} + \frac{5}{4} + \frac{3}{5} - \frac{1}{2} =$

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

$$\begin{array}{ccccccc} & \downarrow & & \downarrow & & \downarrow & & \downarrow \\ = & -\frac{40}{60} & + & \frac{75}{60} & + & \frac{36}{60} & - & \frac{30}{60} = \end{array}$$



$$= \frac{-40+75+36-30}{60} =$$

$$= \frac{-70+111}{60} =$$

$$= \frac{41}{60} \quad \text{Fracción Propia}$$

j. $\frac{5}{6} + \frac{13}{8} - \frac{5}{12} =$

$$\frac{5}{6} + \frac{13}{8} - \frac{5}{12} =$$

$$\downarrow \quad \downarrow \quad \downarrow$$

$$= \frac{20}{24} + \frac{39}{24} - \frac{10}{24} =$$

$$= \frac{20+39-10}{24} =$$

$$= \frac{-10+59}{24} =$$

$$= \frac{49}{24} = \quad \text{Fracción Impropia}$$

$$= 2\frac{1}{24}$$