

**Enunciados**

Resuelve las siguientes ecuaciones. Da el resultado del modo más sencillo que sea posible (número entero o fracción irreducible).

$$\textcircled{1} \quad \frac{x}{3} + \frac{x}{2} = \frac{5}{6}$$

$$\textcircled{2} \quad \frac{x}{4} - \frac{x}{5} = 1$$

$$\textcircled{3} \quad \frac{x}{6} - 1 = x + \frac{x}{3}$$

$$\textcircled{4} \quad \frac{x}{2} - \frac{x}{4} + \frac{x}{8} = \frac{3}{16}$$

$$\textcircled{5} \quad \frac{x}{6} - \frac{x}{9} = 2$$

$$\textcircled{6} \quad \frac{3x}{4} - \frac{4x}{5} = \frac{3}{20}$$

$$\textcircled{7} \quad \frac{3x}{5} - \frac{7x}{10} = \frac{x}{2} + 1$$

$$\textcircled{8} \quad 3x + 5 - \frac{6x}{7} = \frac{5}{14}$$

$$\textcircled{9} \quad \frac{7x}{9} + \frac{1}{3} = \frac{5x}{6} - \frac{1}{9}$$

$$\textcircled{10} \quad \frac{5x}{6} + \frac{9x}{10} = 2x - \frac{4x}{15}$$

$$\textcircled{11} \quad \frac{2x}{3} - 2 = \frac{2x}{5}$$

$$\textcircled{12} \quad x - \frac{4x}{3} = \frac{1}{6}$$

$$\textcircled{13} \quad \frac{5x}{4} - \frac{2x}{5} = \frac{x}{10} + \frac{3}{20}$$

$$\textcircled{14} \quad \frac{7x}{10} + \frac{x}{30} = \frac{1}{5} + x - \frac{4x}{15}$$

$$\textcircled{15} \quad 1 + \frac{5x}{6} = x - \frac{2x}{3}$$

$$\textcircled{16} \quad \frac{3x}{5} + \frac{9x}{10} - 1 = x$$

$$\textcircled{17} \quad \frac{2x}{3} - \frac{x}{15} = \frac{4}{5}$$

$$\textcircled{18} \quad \frac{9x}{10} + 1 = x - \frac{4x}{5}$$

## Soluciones

①  $x=1$

②  $x=20$

③  $x= -\frac{7}{6}$

④  $x= \frac{1}{2}$

⑤  $x=36$

⑥  $x=-3$

⑦  $x= -\frac{5}{3}$

⑧  $x= -\frac{13}{6}$

⑨  $x=-8$

⑩ Cualquier número es solución

⑪  $x= \frac{15}{2}$

⑫  $x= -\frac{1}{2}$

⑬  $x= -\frac{1}{5}$

⑭ Sin solución

⑮  $x=-2$

⑯  $x=2$

⑰  $x= \frac{4}{3}$

⑱  $x= -\frac{10}{7}$