

Equazioni a coefficienti frazionari

Periodo 1 - UdA 3-4

Risolvere e verificare (se determinate) le seguenti equazioni

$$[1] \quad -\frac{1}{2}x + 3 = \frac{1}{2}x - 2$$

$$[2] \quad -\frac{1}{3}x + \frac{1}{2} = -\frac{1}{6}x + \frac{2}{3}$$

$$[3] \quad x - \frac{5}{4} = -\frac{3}{4}x + \frac{1}{2}$$

$$[4] \quad x - 2 = x + \frac{3}{2}$$

$$[5] \quad \frac{4}{3}x + \frac{2}{3} = -x - 1$$

$$[6] \quad -2x + 1 = \frac{3}{2}x - \frac{5}{2}$$

$$[7] \quad \frac{1}{3}x - \frac{5}{6} = -\frac{1}{2}x + \frac{1}{6}$$

$$[8] \quad \frac{2}{3}x - 1 = -x + \frac{7}{3}$$

$$[9] \quad -x + \frac{3}{2} = \frac{1}{2}x - 2$$

$$[10] \quad \frac{1}{3}x + 1 = -\frac{2}{3}x - 1$$

SOLUZIONI

Equazioni a coefficienti frazionari Periodo 1 - UdA 3-4

$$[1] \quad x = 5 \quad \frac{1}{2} = \frac{1}{2}$$

$$[2] \quad x = -1 \quad \frac{5}{6} = \frac{5}{6}$$

$$[3] \quad x = 1 \quad -\frac{1}{4} = -\frac{1}{4}$$

$$[4] \quad \textit{Impossible}$$

$$[5] \quad x = -\frac{5}{7} \quad -\frac{2}{7} = -\frac{2}{7}$$

$$[6] \quad x = 1 \quad -1 = -1$$

$$[7] \quad x = \frac{6}{5} \quad -\frac{13}{30} = -\frac{13}{30}$$

$$[8] \quad x = 2 \quad \frac{1}{3} = \frac{1}{3}$$

$$[9] \quad x = \frac{7}{3} \quad -\frac{5}{6} = -\frac{5}{6}$$

$$[10] \quad x = 2 \quad \frac{1}{2} = \frac{1}{2}$$