

Equazioni a coefficienti frazionari

Periodo 1 - UdA 3-4

Risolvere le seguenti equazioni

$$1. \quad -\frac{3}{2} = 5 \left(\frac{1}{3}x - \frac{1}{2} \right) - \left(\frac{5}{2}x - 1 \right) - \left(-\frac{1}{3}x \right)$$

$$2. \quad 0 = 2 \left(-\frac{1}{2}x + 1 \right) + 3 \left(\frac{1}{2} + \frac{3}{4}x \right) - \frac{1}{2} \left(\frac{5}{2}x + 3 \right)$$

$$3. \quad -\frac{1}{3} \left(1 + \frac{1}{2}x \right) + \left(-x + \frac{1}{2} \right) + \frac{1}{6}x = x - \frac{1}{6}$$

$$4. \quad -\frac{1}{2}x + \left(\frac{1}{4}x + \frac{1}{2} \right) = -\frac{3}{2} \left(\frac{1}{2} - \frac{1}{2}x \right) + \frac{1}{2}$$

$$5. \quad -2 \left(x + \frac{3}{4} \right) + \frac{1}{2} = -\frac{1}{4} (2x - 5) + 3 \left(-x + \frac{1}{4} \right)$$

$$6. \quad \frac{1}{3} (x + 1) - \left(\frac{1}{2} + x \right) + \frac{2}{3}x = 2 \left(-\frac{4}{3} - x \right)$$

$$7. \quad \frac{1}{4} - \left(-\frac{1}{2}x \right) - \frac{1}{2} \left(-x + \frac{1}{2} \right) - \frac{3}{8}x = \frac{5}{8}x$$

$$8. \quad \frac{2}{3} \left(-x - \frac{1}{2} \right) - \frac{1}{2} (-1 - x) = \frac{1}{2} - \frac{5}{6} (3x + 2)$$

$$9. \quad 2 \left(-\frac{3}{2}x + \frac{1}{2} \right) + 5 \left(\frac{1}{2}x - \frac{3}{4} \right) - \left(2 - \frac{1}{2}x \right) = 0$$

$$10. \quad - \left(x - \frac{4}{3} \right) - \frac{1}{3} \left(2 - \frac{7}{3}x \right) = \frac{2}{3} - 2x$$

$$11. \quad 3 \left(\frac{1}{2}x - \frac{1}{5} \right) - 2 \left(\frac{3}{5}x - 1 \right) = \frac{1}{5} + \frac{6}{5} \left(\frac{1}{2}x + 1 \right) - \frac{3}{10}x$$

$$12. \quad -\frac{2}{3} \left(2x + \frac{3}{2} \right) + \frac{1}{2} (1 + x) + \frac{1}{3}x = -\frac{1}{6}$$

SOLUZIONI

Equazioni a coefficienti frazionari
3-4

Periodo 1 - UdA

[1]

0

[2]

Impossibile

[3]

$\frac{1}{6}$

[4]

$\frac{3}{4}$

[5]

2

[6]

$-\frac{5}{4}$

[7]

Indeterminata

[8]

$-\frac{4}{7}$

[9]

Impossibile

[10]

0

[11]

Indeterminata

[12]

$-\frac{2}{3}$