

Do Now

Find the LCD of the following

$$1) \frac{x}{5}, \frac{y}{7}$$

$$2) \frac{y+1}{4}, \frac{y-2}{6}, \frac{y}{5}$$

7.3

EQUATIONS WITH FRACTIONAL COEFFICIENTS

Solve

$$1) \frac{x}{2} + \frac{x}{3} = 5$$

Solve

$$2) \frac{2a}{5} - \frac{a}{4} = \frac{9}{20}$$

Solve

$$3) \quad \frac{x}{3} + \frac{x-2}{4} = 0$$

Solve

$$4) \quad 3n + \frac{n}{2} = \frac{n}{3} + 19$$

Solve

$$5) \quad \frac{4x}{8} - \frac{x}{6} = \frac{1}{12}$$

Solve

$$6) \quad \frac{a-2}{4} - \frac{a}{3} = -\frac{2}{5}$$

Solve

7)
$$\frac{x+1}{3} - \frac{x+2}{4} = \frac{1}{2}$$

Solve

- 8) One fourth of a number is two more than one fifth of a number. Find the number.

Solve

- 9) Three numbers are in the ratio of 3:5:6. One fourth of their sum is $1\frac{1}{2}$ more than the smallest number.