

Zadania z treścią

$$5.48 \begin{cases} x = y + 120 \\ \frac{x}{y} = 6 \end{cases} \quad | \cdot y$$

$$\text{II. } x = 6y$$

$$6y = y + 120$$

$$5y = 120$$

$$y = 24 \quad x = 144$$

$$5.51 \begin{cases} x + y = 800 \quad | \cdot 1,25 \\ 1,25x + 0,8x = 800 - 52 \end{cases}$$

$$\begin{cases} 1,25x + 1,25y = 1000 \\ 1,25x + 0,8y = 748 \end{cases}$$

$$0,45y = 252$$

$$y = 560 \quad x = 240$$

$$5.54 \begin{cases} 10a + b = 21(a - b) \\ 10b + a - 12 = 3(a + b) \end{cases}$$

$$\text{I. } 10a + b = 21a - 21b \quad \text{II. } 10b + a - 12 = 3a + 3b$$

$$22b = 11a \quad 7b - 2a = 12 \quad \Rightarrow -4b = 12 - 7b \quad \underline{a=8} \quad b=4$$

$$2b = a \quad -2a = 12 - 7b \quad 3b = 12 \quad b=4$$

$$5.57 \begin{cases} 0,3x + 0,63y = 3,84 \text{ mln} \quad | \cdot 100 \\ x + y = 7,3 \text{ mln} \quad | \cdot 10 \end{cases}$$

$$\text{I. } 30x + 63y = 384 \text{ mln} \quad | : 3$$

$$10x + 21y = 128 \text{ mln}$$

$$\text{II. } 10x + 10y = 73 \text{ mln}$$

$$11y = 55 \quad y = 5$$

$$0,63y = 3,15 \text{ mln ton}$$

$$0,3x = 0,69 \text{ mln ton}$$