

Mérleg-elv bevezető feladatok (1)

1. Példa: Oldd meg az egyenletet! Írd a keretbe azt a műveletet, amivel kiszámolod az ismeretlent!

$$\begin{array}{ll} \text{a)} & i + 3 = 15 \quad \boxed{-3} \\ & i = \boxed{12} \end{array} \quad \begin{array}{ll} \text{b)} & 3 = f - 13 \quad \boxed{+13} \\ & \boxed{16} = f \end{array}$$

Feladatok:

$$\begin{array}{lll} (1) & h - 7 = 11 & (2) \quad g + 15 = 25 & (3) \quad w + 11 = 14 \\ & h = & & g = & & w = \\ (4) & g + 14 = 23 & (5) \quad i + 13 = 24 & (6) \quad w - 4 = 5 \\ & g = & & i = & & w = \\ (7) & 27 = z + 14 & (8) \quad 8 = m - 4 & (9) \quad x - 15 = 3 \\ & = z & & = m & & x = \\ (10) & d - 15 = 10 & (11) \quad k + 12 = 18 & (12) \quad 3 = s - 3 \\ & d = & & k = & & = s \end{array}$$

2. Példa: Oldd meg az egyenletet! Írd a keretbe azt a műveletet, amivel kiszámolod az ismeretlent!

$$\begin{array}{lll} \text{a)} & 14 = 2i \quad \boxed{:2} & \text{b)} \quad -8 = t(2) \quad \boxed{:2} & \text{c)} \quad \frac{z}{6} = -6 \quad \boxed{\cdot 6} & \text{d)} \quad 5 = -\frac{1}{4}i \quad \boxed{\cdot (-4)} \\ & \boxed{7} = i & & \boxed{-4} = t & & z = \boxed{-36} & & \boxed{-20} = i \end{array}$$

Feladatok:

$$\begin{array}{llll} (1) & 5q = -15 & (2) & q(7) = 14 \\ & q = & & q = \\ (3) & -15 = -5h & (4) & 35 = a(5) \\ & = h & & = a \\ (5) & 2d = 10 & (6) & 6j = 42 \\ & d = & & j = \\ (7) & \frac{1}{2}f = 5 & (8) & -\frac{w}{4} = -2 \\ & f = & & w = \\ (9) & -42 = y(6) & (10) & s(-6) = -30 \\ & = y & & s = \\ (11) & -5 = \frac{1}{5}t & (12) & 8 = 2y \\ & = t & & = y \end{array}$$