

Mérleg-elv bevezető feladatok (1)

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

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

Feladatok:

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

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

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

Feladatok:

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