

Prirodni brojevi
Vježba 1

1. Riješi jednađžbe i provijeri rješenja:

a) $x + 15 = 65$

$$x = 65 - \square$$

$$x = \square$$

Provjera:

$$50 + \square = 65$$

$$\square = 65 \checkmark$$

b) $x + 29 = 151$

$$x = \square - 29$$

$$x = \square$$

Provjera:

$$\square + 29 = 151$$

$$\square = \square \checkmark$$

c) $48 + x = 238$

$$\square = 238 - 48$$

$$x = \square$$

Provjera:

$$48 + \square = \square$$

$$238 = \square$$

✓

d) $96 + x = 706$

$$x = \square \square 96$$

$$x = \square$$

Provjera:

$$96 + \square = 706$$

$$\square = 706$$

✓

e) $x - 11 = 39$

$$\square = 39 + \square$$

$$x = \square$$

Provjera:

$$50 - \square = 39$$

$$39 = 39 \quad \checkmark$$

f) $x - 30 = 141$

$$x = \square \square 30$$

$$x = \square$$

Provjera:

$$\square - 30 = \square$$

$$\square = 141 \quad \checkmark$$

2. Upiši u pravokutnike brojeve koji nedostaju kako bi vrijedile jednakosti:

a) $10^4 = 10 \cdot \square \cdot \square \cdot \square = \square$

b) $10^3 = \square$

c) $10^7 = \square$

d) $10^{\square} = 1000\ 000$

e) $10^{\square} = 100$

f) $3 \cdot 10^5 = 3 \cdot \square = \square$

g) $74 \cdot 10^4 = \square$

3. Izračunaj na najbrži način:

a) $2 \cdot 7 \cdot 9 \cdot 5 = (2 \cdot \boxed{10}) \cdot 7 \cdot 9 = \boxed{}$

b) $5 \cdot 81 \cdot 2 = \boxed{}$

c) $7 \cdot 2 \cdot 8 \cdot 5 = \boxed{}$

d) $11 \cdot 73 \cdot 1 \cdot 0 \cdot 543 = \boxed{}$

e) $25 \cdot 38 \cdot 4 = \boxed{}$

4. Izluči zajednički faktor pa izračunaj:

$$\begin{aligned} a) \quad 15 \cdot 18 + 15 \cdot 32 &= \square \cdot (18 + \square) = \\ &= 15 \cdot \square = \square \end{aligned}$$

$$\begin{aligned} b) \quad 93 \cdot 14 + 14 \cdot 7 &= \square \cdot (93 + 7) = \\ &= \square \cdot \square = \square \end{aligned}$$

$$\begin{aligned} c) \quad 51 \cdot 23 - 31 \cdot 23 &= \square \cdot (51 - 31) = \\ &= \square \cdot \square = \square \end{aligned}$$

$$\begin{aligned} d) \quad 47 \cdot 35 - 35 \cdot 37 &= \square \cdot (\square - 37) = \\ &= \square \cdot \square = \square \end{aligned}$$