

Znanstveni zapis broja

1. NADOPUNI:

Zapis oblika $a \cdot 10^n$, pri čemu je $a \in R$, $1 \leq a \leq 10$, $n \in Z$ nazivamo znanstveni zapis realnog broja.

2. RAZVRSTAJ BROJEVE OVISNO O ZAPISU.

The diagram illustrates the classification of different numerical representations into scientific notation (Znanstveni zapis) and non-scientific notation (Nije znanstveni zapis). It features two columns of boxes. The left column, labeled 'ZNANSTVENI ZAPIS', contains five boxes with the following values: $0.7 \cdot 10^4$, $1.7 \cdot 10^4$, $7 \cdot 10^{-4}$, $1.234 \cdot 10^9$, and $765.2 \cdot 10^4$. The right column, labeled 'NIJE ZNANSTVENI ZAPIS', contains three boxes with the following values: 25, $0.7 \cdot 10^4$, and 0.0008. The boxes are arranged in a staggered fashion, with the scientific notation examples on the left and the non-scientific notation examples on the right.

ZNANSTVENI ZAPIS	NIJE ZNANSTVENI ZAPIS
$0.7 \cdot 10^4$	25
$1.7 \cdot 10^4$	$0.7 \cdot 10^4$
$7 \cdot 10^{-4}$	0.0008
$1.234 \cdot 10^9$	
$765.2 \cdot 10^4$	

3. Zapiši koristeći znanstveni

a) Masa Sunca je približno 1989000000000000000000000000 kg.

b) Masa čestice prašine iznosi približno 0.000000000000753 tona.

4. Neka je $A = 2 \cdot 10^8$, $B = 8 \cdot 10^6$ i $C = 4 \cdot 10^{-4}$. Izračunaj:

a) $B \cdot C$ _____

Znanstveni zapis broja

b) $\frac{B \cdot C}{A}$ _____

c) $\sqrt{C}$ _____

d) $A + B$ _____

5. SPOJI PAROVE:

10^6 10^{-3} 10^{-9} 10^{12} 10^{-6} 10^9 10^{15} 10^3 10^1 10^{-12}

mili *kilo* *G* *peta* *mikro*

T *n* *M* *piko* *da*

6. Volumen kvadra dimenzija $0.7 \cdot 10^4 \text{ mm}$, 37 dm i $4500000 \mu\text{m}$ zapisan u znanstvenom obliku i zaokružen na tri decimale je

- a) 116.55 m^3
- b) $1.165 \cdot 10^2 \text{ m}^3$
- c) $1.166 \cdot 10^2 \text{ m}^3$
- d) $1.166 \cdot 10^2 \text{ dm}^3$

