

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 criteria for scientific notation. It features a central box labeled "ZNAKOVNI ZAPIS" (Algebraic Notation) with a list of numbers: $0.7 \cdot 10^4$, $1.7 \cdot 10^4$, $7 \cdot 10^{-4}$, $1.234 \cdot 10^9$, $765.2 \cdot 10^4$, 25 , $0.7 \cdot 10^4$, and 0.0008 . Arrows point from these numbers to two categories: "ZNAKOVNI ZAPIS" (Algebraic Notation) and "NIJE ZNAKOVNI ZAPIS" (Not Algebraic Notation). The numbers $0.7 \cdot 10^4$, $1.7 \cdot 10^4$, $7 \cdot 10^{-4}$, and $1.234 \cdot 10^9$ are classified as "ZNAKOVNI ZAPIS". The numbers $765.2 \cdot 10^4$, 25 , $0.7 \cdot 10^4$, and 0.0008 are classified as "NIJE ZNAKOVNI ZAPIS".

ZNAKOVNI ZAPIS

NIJE ZNAKOVNI ZAPIS

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) $B \cdot C$ _____

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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 $4500000 \text{ }\mu\text{m}$ 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) $1.166 \cdot 10^2 \text{ dm}^3$

