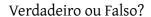# Lista de exercícios 1

Verdadeiro ou Falso?

- $\emptyset \in \mathbb{N}$

- $\emptyset \subset \mathbb{N}$

- $\emptyset \in \mathbb{Z}$

- $\emptyset \subset \mathbb{Z}$

- $\emptyset \subset \mathbb{Q}$

- $\mathbb{Z} \subset \mathbb{Z}_+$

- $\mathbb{N} \in \mathbb{Z}$

- $\mathbb{N} \subset \mathbb{Z}$

- $\mathbb{N} \subset \mathbb{Z}_+^*$

- $\mathbb{Q} \subset \mathbb{Z}$

- $\mathbb{Z} \subset \mathbb{Q}$

- $\mathbb{Z}_+^* \subset \mathbb{N}$

- $\mathbb{Q} \subset \emptyset$

- $\mathbb{Q} \supset \mathbb{N}$

Descreva o conjunto resultante das seguintes operações.

- $\mathbb{N} \cap \mathbb{Q}$

- $\mathbb{N} \cap \mathbb{Z}$

- $\mathbb{N} \cup \mathbb{Q}$

- $\mathbb{N} \cup \mathbb{Z}$

- $\mathbb{N}^c$ no universo $\mathbb{Z}$

- $\mathbb{N}^c$ no universo $\mathbb{N}$

- $\mathbb{N}^c$ no universo $\mathbb{Q}$

- $\{1, 2, 3, 4\} \cap \{5, 6\}$

- $\{1, 2, 3, 4\} \cup \{5, 6\}$

- $\{1, 2, 3, 4\} \cap \{2, 7\}$

- $\{1, 2, 3, 4\} \cup \{2, 7\}$

- $\{1, 2, 3, 4\}^c$ no universo $\mathbb{Z}$

- $\{1, 2, 3, 4\} \cap \{2, 7\}^c$ no universo $\mathbb{Z}$