

3. Real numbers (part one)



Exercise material

Exercise

Give the definition of neutral element for $+$ and $\cdot$, respectively.

Exercise

Prove that $\sqrt{2} \notin \mathbb{Q}$.

Exercise

Prove that $\mathbb{N} \subsetneq \mathbb{Z} \subsetneq \mathbb{Q} \subsetneq \mathbb{R}$.

