

Povzetek

V diplomskem delu predstavimo trinajst izzivov iz teorije števil. Namenjeni so predvsem srednješolcem, čeprav jih lahko raziskujejo tudi osnovnošolci, študenti matematike in vsi, ki jih matematika zanima.

Izzivi zajemajo naslednje teme iz teorije števil: praštevila, pitagorejske trojice, ulomki in njihovi decimalni zapisi, trikotniška in kvadratna števila, deljivost števil in palindromska števila.

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Ključne besede: teorija števil, raziskovanja, srednješolska matematika.

Key words: number theory, investigations, high school mathematics.

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