

ZMATH 06672958

Vrábel, Peter

Theoretical and didactic aspects of numeration of real numbers.

Acta Math. Nitriensia 1, No. 2, 15-20 (2015).

Summary: The notion of number incorporates a few of aspects. It is mainly its sense accordingly its definition as a mathematical object and the assignation of fundamental properties of operations with numbers. The notation of numbers expressed by admissible characters and algorithms of operations are further aspects. Mathematically least important aspect is the verbal denomination of numbers finally. First aspect belongs to basic equipment of mathematicians and it has purely theoretical character. The theoretical bases of notation of numbers and also possibilities their interpretations in education of mathematics on grammar schools and in the preparation of teachers of mathematics are determined in the paper.

Classification: F50

Keywords: natural numbers; real numbers; Archimedean property; whole part of number; notation of number
doi:10.17846/AMN.2015.1.2.15-20