

## Mathematical Representations and Inconsistencies in Communication

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Mathematical notions and conceptions are the outcome of abstraction of immediate experience in physical world and are usually transmitted through a special language, which makes mathematical discourse complex and in many respects unusual. It is thus necessary to use adequate representations that enable learners to relate mathematical notions to what they already know and to learn with understanding. In this process of learning mathematics, communication has an important role and the language has a crucial influence on the correct construction of mathematical concepts. Some inconsistencies in presenting mathematical facts or descriptions will be discussed.