The development of geometrical concepts in lower primary Mathematics teaching

The square and the rectangle

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Abstract. Our research question is how lower primary geometry teaching in Hungary, particularly the concept of squares and rectangles is related to the levels formulated by van Hiele. Moreover to what extent are the concrete activities carried out at these levels effective in evolving the concepts of squares and rectangles.

In the lower primary geometry teaching (classes 1–4) the first two stages of the van Hiele levels can be put into practice. By the completion of lower primary classes level 3 cannot be reached. Although in this age the classes of concepts (rectangles, squares) are evolved, but there is not particular relationship between them. The relation of involvement is not really perceived by the children.

Key words and phrases: mathematics teaching, square, rectangle.

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