Moro, Mieko

Geometrical teaching to enhance students’ abilities to think logically. Utilizing thought experiment activities.


When teaching mathematics in elementary school today, it is more important than ever to foster a child’s ability to visualize a framework and work through it logically. When teaching geometrical figures, however, children are often instructed to engage in exercises without a clear understanding of why they are doing so; in other cases importance is only attached to the results and the thought process involved in leading to the results is slighted. For this reason, it is necessary to place greater importance on each step leading up to developing a hypothesis and then verifying it. To improve the teaching methods for geometrical figures aimed at developing logical thinking. I have decided to focus on thought experiment and look for an effective instruction method that suits each stage of a child’s mental development.

Classification: E32