

The ‘Art’ of Ratio: the Potential of a Hands-On Ratio Task

Lisa O’Keeffe

University of South Australia
<lisa.okeeffe@unisa.edu.au>

Bruce White

University of South Australia
<bruce.white@unisa.edu.au>

The importance of ratio and proportional reasoning is regularly emphasised in the literature. However, the teaching and learning of these concepts continues to be considered an area of mathematics that presents considerable challenge. Hands-on tasks are well documented as having potential to impact positively on student conceptual development of abstract concepts such as ratio. This communication presents a pilot study which examined a hands-on task designed to encourage student visualisation of ratio. Teacher perceptions of this task were positive, indicating the potential of this task to impact on students’ engagement and understanding of ratio.