

ZMATH 2016d.00562

Zhang, Xiaofen; Clements, M.A.; Ellerton, Nerida F.

Engaging students with multiple models of fractions.

Teach. Child. Math. 22, No. 3, 138-147 (2015).

Summary: An understanding of unit fractions, and especially of one-half, one-third, and one-fourth, is crucially important for elementary school children's development of number sense. We describe multimodal activities designed to assist elementary school students in gaining a rich understanding of unit fractions. Research has shown that participation in the activities described in this article helped fifth-grade students develop wider imagery and deepen their understandings with respect to unit fractions concepts. A body of literature is developing that is directed at teachers who wish to fruitfully engage elementary school students in concept-rich fractions activities. (ERIC)

Classification: F40

Keywords: fractions; unit fractions; understanding; activities; visualization; part-whole concept

<http://www.nctm.org/Publications/Teaching-Children-Mathematics/2015/Vol22/Issue3/Engaging-Students-with-Multiple-Models/>