

**ZMATH 2016f.00908**

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**When does  $1/2 = 1/3$ ?: modelling with wet fractions.**

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Summary: Many fraction activities rely on the use of area models for developing partitioning skills. These models, however, are limited in their ability to assist students to visualise a fraction of an object when the whole changes. This article describes a fraction modelling activity that requires the transfer of water from one container to another. The activity provides the opportunity for students to explore the part-whole relationship when the whole changes and respond to and reason about the question: When does  $1/2 = 1/3$ ? (ERIC)

*Classification:* F40 M50

*Keywords:* fractions; activities; modeling; part-whole relationship