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**Development of a flexible understanding of place value.**

Meaney, Tamsin (ed.) et al., Mathematics education in the early years. Results from the POEM2 conference, Malmö, Sweden, 2014. Cham: Springer (ISBN 978-3-319-23933-0/hbk; 978-3-319-23935-4/ebook). 289-307 (2016).

Summary: In this chapter, we highlight the importance not only of an understanding of place value, but the importance of a flexible understanding. We describe the principles of our decimal place value system and the development processes of children. Embedded in artefact-centric activity theory, we present an education-oriented design of a virtual place value chart and its potential to support this development and understanding. We also present results of a qualitative study with second graders as well as results of a quantitative study with third graders that can guide further research in that area.

*Classification:* F22 F32 C32

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