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Units and unity.

Rogerson, Alan (ed.), The mathematics education for the future project. Proceedings of the 13th international conference 'Mathematics education in a connected world', Catania, Sicily, Italy, September 16–21, 2015. Münster: WTM-Verlag (ISBN 978-3-942197-44-1/pbk; 978-3-942197-86-1/ebook). Conference Proceedings in Mathematics Education 1, 143-149 (2015).

Summary: We use the symbol of circle as a unit, but know little of circle unity. Folding circles demonstrates qualities belonging to unity of the whole. Unity is not constructible, but can be experientially realized in transforming the circle through folding. Traditional 2-D & 3-D geometry and fundamental math concepts are revealed in the folds of the circle. Within every polygon and random shape is a circle-pattern of organized movement that can be revealed through a proportionally ordered folding process.

Classification: G40 U60
Keywords: circle; unit; unity; folding; geometry