

ZMATH 2011a.00438

Richardson, Kerri; Stein Schwartz, Catherine; Reynolds, Anne

Investigating quadrilaterals as an ongoing task.

Int. J. Math. Teach. Learn. 2010, 1-21 (2010).

Summary: This article discusses an open-ended problem involving quadrilaterals that is continually used each semester. The task has been posed to undergraduate and graduate students in methods and problem solving classes. The task involves drawing all possible four sided figures with corners at the dots. A four by four array of dots is included in the instructions and students are asked to develop a system for knowing when they have identified all the quadrilaterals.

Classification: D50 G40 C30

Keywords: problem solving; non-routine tasks