Developing and Refining Research Questions in Math Ed

Studies in mathematics education are driven by finely tuned research questions. Research questions serve to organize both studies and resulting papers. A recent *Journal for Research in Mathematics Education* editorial series focused on important aspects of studies and papers beginning with: research questions. Today’s session will be the first in a sequence of workshops related to these aspects. We will share tips for creating strong research questions, some of our own experiences crafting them, and conclude with time to work on developing your own research questions (whether this is creating new ones from an identified problem or refining questions that have you started to develop.)

Kate Melhuish and Kristen Lew are co-facilitating the mathematics education seminar. Kate’s research interests include instrument development, student thinking in advanced mathematics courses, and instruction that can promote classrooms where student thinking is central. Kristen’s research interests focus on better understanding the communicative aspect of mathematical proofs: how mathematicians present proofs and how students understand and implement the language of mathematical proof writing.