

**ZMATH 2015d.00417**

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**From quiet straight lines to noisy grouped students: creating math discussions.**

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Summary: Quiet classrooms are not always conducive to learning, especially in a mathematics classroom. Students should have the opportunity to discuss their thinking and work together on complex tasks in order to develop a deeper understanding of the mathematics content. Through the implementation of classroom norms, selection of complex tasks, and establishment of appropriate student groups, teachers can create a space where students have meaningful mathematics discussions that promote learning.

*Classification:* D42 D43 D52 D53 C52 C53

*Keywords:* teaching; instructional modes; classroom conversation; discussion; group work; communication; classroom norms; behaviour; cooperative learning; team work; problem posing