

Teacher and Students' Experiences in the Oral Assessment

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The mathematical discourse of a student reveals the mathematical competency of the student. Teachers have assessed students' mathematical communication competence by evaluating students' presentations in the whole classroom. However, this study explores new oral assessment on the mathematical communication competence which is a one-to-one evaluation. In the new assessment students solve a task and answer a series of teacher's questions. The teacher grasp students' understanding of mathematical conceptions and principles during the test. The purpose of this study is to clarify what kind of experiences teacher and students have in the course of the assessment, and to provide specific guidance for performing the new oral assessment. In this research, we examine what kind of experiences students and a teacher have in preparation for the test, what the characteristics of discourse of students and a teacher are in the process of the test, how teacher use the performed oral assessment, and what students' perceptions of the test are. The data were collected from the interviews of the teacher before and after the assessment, the students' questionnaires on the oral assessment, and video recording during the oral test. The discursive characteristics of the teacher might be related with the teacher competencies required in performing the oral test. It also shows that the limited level of communication capacity of students should not be excluded or ignored, but be considered as a potential resource for the learning in itself.