

# Collaborative Action Research: Teaching of Multiplication and Division in the Second Grade

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## Abstract

This paper discusses the impact of action research methodology used in the teaching and learning process and professional teacher development. In this study are including 58 students of three second grade classes, 3 teachers of those classes and a university professor. Aiming at using a different approach in their teaching of multiplication and division in the second grade, all three teachers agreed to cooperate and jointly plan the learning activities, to observe systematically their students and to reflect on the outcomes. This way of research doing in their classes enabled them to 'act' effectively in designing an action plan appropriate to students' achievement level. This research was carried out in the period of February 18 to May 31 incorporating several different methods, such as classroom observation, interviewing and worksheets.

**Keywords:** *Action research; multiplication; division; sharing/partitive; grouping/quotative*