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Olaseni T. Fadipe* (fadip1ot@cmich.edu) and **Katrina L Piatek-Jimenez** (k.p.j@cmich.edu). *Developing Percents Skills in College Students.*

In this study, college students' understanding of percentages involving multiple percent changes was investigated. Twenty-one students completed a preliminary percent task as well as a similar one on the midterm. Of the 21 participants, seven volunteered to participate in three in-depth interviews where they were asked to attempt two more percent tasks during interview 2 and 3 respectively. Results show that students made significant gains in their understanding of percents between the first week and the midterm. For example, 16 (approximately 76% of the students) provided a complete and correct solution on the midterm task compared to just one student on the preliminary task. Furthermore, students demonstrated several quantitative reasoning techniques like using convenient and practical values to disprove some quantitative statements. (Received September 01, 2017)