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Jack A Carter* (jack.carter@csueastbay.edu), Mathematics Dept, California State University East Bay, 25800 Carlos Bee Blvd, Hayward, CA 94542-3092, and **Beverly J Ferrucci** and **Ngan Hoe Lee**. *Proportional Reasoning Models in Developmental Mathematics Education: Enhancing Under-Prepared Students' Transition at the College-Level*. Preliminary report.

A study of undergraduates in Singapore and the United States revealed superior performance by the Singaporeans on proportional reasoning problems. Analysis of solutions showed the Singapore college students were more likely to use unitary and benchmark approaches than were their American counterparts. Conclusions include suggestions for programs intended to improve the transition for under-prepared students to college-level mathematics on proportional reasoning problems. (Received August 16, 2009)