

The relationship between mathematics self-efficacy and mathematics achievement

ABSTRACT

The purposes of this study was to examine the relationship between mathematics self-efficacy and mathematics achievement for 339 high school students aged between 15 and 17 years. Pearson product-moment correlation showed that mathematics self-efficacy was significantly correlated with mathematics achievement ($r=0.30$, $p< .01$). Results showed taht students with higher mathematics self-efficacy were more likely to achieve better mathematics achievement. The finding was generally consistent with the basic assumptions of Bandura's (1986) self-efficacy.

Keyword: Self-efficacy; Mathematics; Achievement; Academic competence