Abstract

The aim of this study was to design an innovative test to measure the ability to rotate mental images. An unfolded cube was designed, which participants had to reassemble mentally, prior to mentally rotating the image, and answering 23 questions concerning the cube. The Measure of the Ability to Rotate Mental Images (MARMI) test was administered to 354 participants. Cronbach alpha was .90, and high correlations between this test and other image rotation and spatial image tests were found. However, poor correlations were observed between test scores and the responses to the visual imagery vividness questionnaire. Both test reliability and validity underscore that it is a good instrument for measuring the ability to rotate mental images.