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Textbook analysis about length estimation and exploration for an alternatives.

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Summary: This paper investigates ways for the improvement of the length-estimation ability, which is recently emphasized in measurement area of mathematics education. According to preceding studies, students' length-estimation ability is considerably low. This paper critically analyzes the contents related to length estimation in current textbooks and explores alternatives.

Classification: F72 U22 N22

Keywords: measurement sense; length estimation; teaching; estimation ability; improvement; textbook analyses; mathematical ability; goals of mathematics education; reference point strategy; curriculum development