



KDE Numeracy Universal Screening Assessment

Decision Rubric

Review Date: Click or tap to enter a date.

Test Name: Click or tap here to enter text.

Submission form contains all requested information: Yes: ☐ No: ☐

Overall Rating: Choose an item. /8

Approved: ☐ Rejected: ☐ Date: Click or tap to enter a date.

Decision Rationale:

Resubmission window (if applicable) for rejected assessments: Click or tap to enter a date.

**If not approved, submitters may provide additional evidence or clarification within two weeks of the rejection notification. This additional information will be reviewed by the team, and a final decision will be made at that time. No further resubmissions will be allowed.*

Domains/Construct Assessed: Check all that apply.

Counting and Cardinality (K)	Number and Operations Base 10	Operations and Algebraic Thinking	Number and Operations Fractions (3-5)	Measurement and Data	Geometry	Procedural Fluency	Conceptual Understanding

Technical Adequacy Scoring Rubric

Part 1: Classification Accuracy: AUC values closer to 1 indicate the screening measure reliably distinguishes among students with satisfactory and unsatisfactory numeracy performance, whereas values at 0.50 indicate the predictor is no better than chance.

Score	Definition
	Evidence provided for the composite score for each testing window, and grade-level targeted by the tool:

2	AUC $\geq$.70 OR Sensitivity and Specificity $\geq$.70
1	Evidence is mixed for the composite score with some testing windows or grade-levels targeted by the tool not meeting the criteria of $\geq$.70 or not reported. OR Data provided demonstrates weak evidence for the composite score in some but not all testing windows or grade-levels .
0	Evidence was not provided for these criteria, or information does not demonstrate an acceptable level of evidence .

Reviewer notes to support rating for classification accuracy:

Part 2: Reliability: the consistency of a set of scores that are designed to measure the same thing.

Internal consistency (usually reported as Cronbach's alpha) or alternate form where applicable.

Score	Definition
2	Evidence is provided for the composite score for each grade-level targeted by the tool : Reliability measure is $\geq$.70
1	Reliability evidence for the composite score is mixed with some grade-levels targeted by the tool not meeting the criteria of $\geq$.70 or not reported for a grade-level.
0	Evidence was not provided for these criteria, or information does not demonstrate an acceptable level of evidence .

Reviewer notes to support rating for reliability:

Part 3: Validity: how accurately the assessment predicts future academic performance.

Score	Definition
2	Evidence for the composite score is provided for each grade-level targeted by the tool : Predictive Validity measure is $\geq .60$.
1	Evidence for the composite score was mixed with some grade-levels targeted by the tool not meeting the criteria of $\geq .60$ or not reported for a grade-level.
0	Evidence was not provided for these criteria, or information does not demonstrate an acceptable level of evidence .

Review notes to support rating for validity:

Part 4: Representative Sample: The sample used for psychometric analysis closely matches the characteristics of its population as a whole.

Score	Definition
2	The research sample used closely matches the population of the United States.
0	Insufficient or no evidence was provided on the characteristics of the sample used.

Reviewer notes to support rating for representative sample: