

ISASP – 2019 Preliminary Reliability Estimates

Reliability refers to the consistency or precision of test scores and performance level classifications. Reliability addresses the question of how likely a student would be to achieve the same score or be classified in the same performance level, across multiple administrations of equivalent tests.

As part of each ISASP test administration, the reliability of the test scores and performance level classifications will be evaluated from a variety of perspectives. Following each administration, both classical and IRT indices for reported test scores and decisions regarding performance level classifications will be provided for each test. Items that require human readers (extended writing items and constructed-response items) will also be evaluated for interrater consistency. For the 2019 ISASP administration, this information will be available after the standard setting process.

In advance of reporting the final reliability coefficients in the fall of 2019, estimates of reliability have been generated as part of the test assembly process to help ensure a valid and fair test for all users. The table below shows estimated reliability coefficients by test and grade for the 2019 ISASP tests. These estimates are based on information collected through the field testing of items in the state of Iowa.

Test	Grade	Reliability Estimate
Reading	3	0.920
	4	0.901
	5	0.906
	6	0.903
	7	0.911
	8	0.903
	10	0.895
Language/Writing	3	0.862
	4	0.810
	5	0.812
	6	0.862
	7	0.867
	8	0.879
	10	0.877
Mathematics	3	0.905
	4	0.906
	5	0.910
	6	0.897
	7	0.912
	8	0.904
	10	0.870
Science	5	0.880
	8	0.889
	10	0.877