

Preliminary Cut Scores For Math Concepts and Applications (MCAP)

Below are preliminary Cut Scores that predict outcomes on ISAT based on MCAP administrations in the Fall, Winter and Spring. These Cut Scores were derived with ROC Analysis. That is, the values presented are based on minimizing the proportion of False Positives and False Negatives. *Because the sample did not include a large enough proportion of students who did not meet standards on ISAT, only proficient scores are presented. As more data are obtained below basic cut scores may also be included.*

MCAP Cut Scores to ISAT

MCAP GRADE	N	FALL	WINTER	SPRING
3	250	6	7	12
4	245	10	13	19
5	450	7	9	12
6	495	11	13	16
7	505	7	13	15
8	490	6	8	10

Note. Only Proficient Status Cuts are presented. *N's are approximations based on the smallest number of students at a grade level with paired MCAP and ISAT Scores (rounded down to the next 5).*

Area Under the Curve

GRADE	Test Result Variable(s)	Area	Std. Error	Asymptotic Sig. <.01	Asymptotic 95% Confidence Interval		Predictive Validity Coefficient
					Lower Bound	Upper Bound	
3	Fall	0.92	0.03	YES	0.86	0.97	0.69
	Winter	0.92	0.03	YES	0.86	0.97	0.71
	Spring	0.92	0.02	YES	0.87	0.97	0.70
4	Fall	0.89	0.04	YES	0.81	0.97	0.55
	Winter	0.85	0.06	YES	0.72	0.97	0.56
	Spring	0.73	0.05	YES	0.62	0.83	0.50
5	Fall	0.84	0.03	YES	0.78	0.90	0.60
	Winter	0.89	0.02	YES	0.84	0.93	0.66
	Spring	0.83	0.03	YES	0.77	0.89	0.68
6	Fall	0.88	0.02	YES	0.83	0.93	0.71
	Winter	0.92	0.02	YES	0.89	0.95	0.73
	Spring	0.89	0.02	YES	0.84	0.93	0.74
7	Fall	0.93	0.01	YES	0.90	0.95	0.73
	Winter	0.90	0.02	YES	0.86	0.93	0.73
	Spring	0.92	0.02	YES	0.89	0.95	0.77
8	Fall	0.91	0.03	YES	0.85	0.97	0.71
	Winter	0.93	0.02	YES	0.89	0.97	0.72
	Spring	0.92	0.02	YES	0.89	0.96	0.77

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(Data used from the 2009-10 School Year)