

RELATING
 STS' ILLINOIS LEARNING STANDARDS BATTERY (ILSB) PERFORMANCE
 TO
 ILLINOIS ISAT PERFORMANCE

In the fall of the 2000-2001 school year, a select group of Illinois School Districts provided STS with their results from the spring 2000 Illinois ISAT assessments. That select group also administered STS' ILSB in the spring of 2000. A total of thirty-five districts from fifteen different counties were involved.

Of those districts, students' results were matched by name between the ILSB and ISAT assessments for the grades and subtests that could be compared. This resulted in 22,964 pairs of matched scores.

RELATIONSHIP BETWEEN STS' ILSB AND ILLINOIS' ISAT

Table 1 below shows the summarized concurrent correlations:

**TABLE 1
 CONCURRENT VALIDITY COEFFICIENTS**

Correlations between	Grade	Combined Study
ILSB Language vs. ISAT Reading	3	0.75
	5	0.78
	8	0.77
ILSB Reading vs. ISAT Reading	3	0.68
	5	0.74
	8	0.75
ILSB Mathematics vs. ISAT Mathematics	3	0.76
	5	0.83
	8	0.84
ILSB Science vs. ISAT Science	4	0.79
	7	0.79
ILSB Social Studies vs. ISAT Social Sciences	4	0.77
	7	0.81

COMPARISON OF ASSESSMENT NORMS PROVIDED FOR EACH

The Illinois ISAT assessment program utilizes a *Standard Score (SS)*, with a scale ranging from 120 to 200. STS' ILSB provides a number of normative scores, with the estimated national percentile rank (NP) provided for all subjects at all grade levels.

With normative results available from both assessment programs for all grades and subjects reported in the preceding section, it was possible to "equate" the two systems of norms through the use of the traditional "equi-percentile" equating procedure.

Table 2 (see p. 3) gives the results involving the State ISAT assessment areas of Reading and Mathematics at grades 3, 5, and 8 and the State ISAT assessment areas of Science and Social Sciences at grades 4 and 7.

From Table 2, it can be seen that an ILSB 52nd percentile level of performance in Language represents the same level of performance as an ISAT Reading Standard Score of 162 at grade 3, one of 158 at grade 5, and one of approximately 158 at grade 8. Similarly, an ILSB 51st percentile level of performance in Mathematics represents the same level of performance as an ISAT Mathematics SS of 161 at grade 3, one of 158 at grade 5, and one of 159 at grade 8. Other scores can be read in a similar manner.

It can also be seen from Table 2 that an ILSB 50th percentile level of performance in Science represents the same level of performance as an ISAT Science SS of 160 at grade 4 and 158 at grade 7. Similarly, an ILSB 52nd percentile level of performance in Social Studies represents the same level of performance as an ISAT Social Science SS of 161 at grade 4 and approximately 158 at grade 7. Other scores in this table can be read in a similar manner.

USING RESULTS TO COMPARE 'CUT-SCORES'

School districts in Illinois set their "cut-scores" for local assessments independently. In fact, the state recommends using local factors in determining such cut-scores. As a result, one would not expect classifications of students into "meets" or other "performance levels" to be consistent from local to statewide programs. Nevertheless, it might prove worthwhile to make such comparisons when possible.

The results given on page 3 can be used to determine STS' cut-scores comparable to those used by the state program. Since the state requires a minimum SS of 162 to "meet the standard" for grade 8 Math, the comparable STS percentile of 59 would be required for the same assessment. Since the state also gives the percentages of individuals within any given performance level, it is possible to use the equivalence tables to determine the percent for the local assessment within the same performance levels.

*Values in the .80's are approaching the levels obtained from many studies involving alternate forms of the same tests.

**TABLE 2
STS NATIONAL PERCENTILES VS ISAT SCALED SCORES**

ISAT	ILSB NATIONAL PERCENTILES						ISAT	ILSB NATIONAL PERCENTILES				
	Grade 3		Grade 5		Grade 8			SS	Grade 4		Grade 7	
	Lang	Math	Lang	Math	Lang	Math			Sci	Soc.S	Sci	Soc.S
121	1	1	1	1	1	1	121	1	1	1	1	
122	1	1	1	1	1	1	122	1	1	1	1	
123	1	1	1	1	1	1	123	1	1	1	1	
124	1	1	1	1	1	1	124	1	1	1	1	
125	1	1	1	1	1	1	125	1	1	0	1	
126	1	1	1	1	1	1	126	1	1	0	2	
127	1	1	1	1	1	1	127	1	1	0	2	
128	1	1	1	1	1	1	128	1	1	0	2	
129	1	1	1	1	1	1	129	1	1	0	2	
130	1	1	1	1	1	2	130	1	1	1	3	
131	1	1	1	1	1	2	131	1	2	2	3	
132	1	1	1	2	2	2	132	1	2	2	3	
133	1	1	1	3	2	3	133	1	3	2	4	
134	2	1	2	4	2	3	134	2	3	3	5	
135	2	2	2	5	3	4	135	2	4	4	7	
136	3	2	3	5	3	5	136	3	5	4	8	
137	3	2	4	5	4	6	137	4	6	5	9	
138	4	2	4	6	4	7	138	5	6	6	10	
139	4	3	5	7	5	8	139	6	6	7	11	
140	6	3	7	9	5	10	140	7	7	8	12	
141	7	4	9	11	6	12	141	8	8	9	13	
142	8	4	10	13	7	13	142	8	10	10	14	
143	9	5	11	15	8	14	143	10	11	11	15	
144	10	7	13	16	9	15	144	11	13	13	17	
145	12	10	14	17	11	17	145	13	14	15	18	
146	13	11	17	19	13	18	146	14	16	16	19	
147	15	12	18	20	15	20	147	16	18	17	20	
148	17	14	21	22	16	22	148	18	20	22	22	
149	19	16	23	25	18	24	149	20	22	25	25	
150	21	18	26	28	21	27	150	23	25	27	27	
151	23	21	29	31	24	30	151	27	27	31	30	
152	26	23	31	33	29	32	152	29	29	33	31	
153	29	26	36	36	31	35	153	32	32	34	34	
154	31	29	40	38	34	37	154	34	34	38	37	
155	33	33	42	40	38	40	155	37	36	42	40	
156	35	36	46	44	42	43	156	38	38	45	44	
157	38	39	49	47	46	45	157	40	40	47	46	
158	40	43	52	50	50	46	158	44	43	50	50	
159	44	46	55	53	53	50	159	46	46	53	53	
160	47	49	59	55	57	54	160	50	49	55	56	
161	48	51	62	58	62	57	161	52	52	59	59	
162	52	56	64	61	65	59	162	55	56	63	61	
163	54	59	68	65	69	61	163	59	60	66	64	
164	57	62	70	67	73	64	164	63	63	67	68	
165	60	65	72	70	77	67	165	66	67	70	72	
166	64	68	77	72	80	70	166	67	69	71	73	
167	69	70	79	75	83	73	167	68	70	75	74	
168	70	74	84	78	85	75	168	72	72	76	78	
169	73	76	87	81	86	77	169	75	75	76	81	
170	76	79	90	82	90	79	170	77	79	80	82	
171	79	82	91	85	92	80	171	79	81	82	83	
172	82	83	92	87	92	83	172	82	82	83	87	
173	84	85	93	89	94	85	173	82	85	85	88	
174	85	88	95	90	95	86	174	85	87	86	89	
175	87	90	96	91	96	87	175	89	88	88	92	
176	90	90	96	93	97	88	176	90	91	90	92	
177	91	92	97	94	97	89	177	91	92	91	93	
178	92	93	97	95	97	90	178	92	92	92	93	
179	93	94	97	96	98	91	179	94	94	92	94	
180	94	95	98	96	98	92	180	95	95	93	96	
181	95	96	98	97	98	93	181	96	96	95	97	
182	95	97	98	97	99	94	182	96	97	95	97	
183	96	98	98	97	99	95	183	97	97	96	98	
184	97	98	98	98	99	96	184	97	98	96	98	
185	97	98	99	98	99	96	185	97	98	97	98	
186	98	98	99	98	99	96	186	98	98	97	98	
187	98	98	99	98	99	97	187	98	98	98	98	
188	98	99	99	98	99	97	188	98	98	98	99	
189	98	99	99	99	99	98	189	98	98	98	99	
190	98	99	99	99	99	98	190	98	99	98	99	
191	99	99	99	99	99	98	191	98	99	98	99	
192	99	99	99	99	99	98	192	99	99	98	99	
193	99	99	99	99	99	98	193	99	99	98	99	
194	99	99	99	99	99	98	194	99	99	99	99	
195	99	99	99	99	99	98	195	99	99	99	99	
196	99	99	99	99	99	99	196	99	99	99	99	
197	99	99	99	99	99	99	197	99	99	99	99	
198	99	99	99	99	99	99	198	99	99	99	99	
199	99	99	99	99	99	99	199	99	99	99	99	
200	99	99	99	99	99	99	200	99	99	99	99	

← Academic Warning →

← Below Standards →

← Meets Standards →

← Exceeds Standards →

