



# English Language Arts and Mathematics Tests Preliminary Results Spring 2015 Administration

## Highlights

The new Ohio State Tests in English language arts and mathematics were administered for the first time during the 2014-2015 school year. These tests were produced by the Partnership for Assessment of Readiness for College and Careers (PARCC), of which Ohio was a member until July 1, 2015. Future tests in these subjects will be Ohio-specific tests developed by Ohio educators with the American Institutes for Research.

On Sept. 15, 2015, the State Board of Education approved the cut scores and performance levels recommended by PARCC. The board's approval aligns Ohio's standards with those of every other state in the consortium.

Students who began ninth grade before July 1, 2014, are required to pass the Ohio Graduation Tests in order to meet the state testing requirements for a diploma. These students were excused from all new state tests except for American history and American government. For this reason, only small populations of accelerated students took the Grade 10 English language arts, geometry and integrated mathematics II tests, and the performance of these students may not be representative of future students taking these tests.

The preliminary results of the spring 2015 test administration provide the basis for these highlights. Schools and districts have not verified these results. The final figures may differ due to rescoring, late scoring and other changes.

## Numbers of Students Tested

Table 1 presents the total numbers of public school (including community school) students who took the English language arts and mathematics tests in the spring of 2015. High school end-of-course tests administered in the fall of 2014 are not included in these figures. Third-graders took the Ohio Achievement Assessment in reading during the 2014-2015 school year.

**TABLE 1 – NUMBERS OF STUDENTS TESTED**

<b>Subject</b>	<b>Public Districts</b>	<b>Community Schools</b>	<b>Total Public</b>
Grade 4 English Language Arts	114,507	7,319	121,826
Grade 5 English Language Arts	117,293	7,668	124,961
Grade 6 English Language Arts	117,465	8,031	125,496
Grade 7 English Language Arts	119,160	8,423	127,583
Grade 8 English Language Arts	119,968	8,436	128,404
Grade 9 English Language Arts	121,095	6,587	127,682
Grade 10 English Language Arts	2,326	432	2,758
Grade 3 Mathematics	119,115	8,900	128,015
Grade 4 Mathematics	114,396	7,307	121,703
Grade 5 Mathematics	116,804	7,643	124,447
Grade 6 Mathematics	116,524	8,001	124,525
Grade 7 Mathematics	115,930	8,352	124,282
Grade 8 Mathematics	87,698	8,125	95,823
Algebra I	108,527	5,405	113,932
Geometry	32,695	613	33,308
Integrated Mathematics I	10,321	387	10,708
Integrated Mathematics II	2,045	47	2,092

## Scale Score Ranges for Performance Levels

Table 2 provides the scaled scores associated with each of the five performance levels on each test for the spring 2015 administration. Unlike raw cut scores, scale cut scores are invariant and apply to all forms of the same test. However, because future English language arts and mathematics tests will be Ohio-specific, their cut scores will not be comparable to those applied in 2014-2015.

**TABLE 2 – SCALE SCORE RANGES FOR ALL SUBJECTS AND PERFORMANCE LEVELS**

<b>Subject</b>	<b>Limited</b>	<b>Basic</b>	<b>Proficient</b>	<b>Accelerated</b>	<b>Advanced</b>
Grade 4 English Language Arts	650-699	700-724	725-749	750-789	790-850
Grade 5 English Language Arts	650-699	700-724	725-749	750-798	799-850
Grade 6 English Language Arts	650-699	700-724	725-749	750-789	790-850
Grade 7 English Language Arts	650-699	700-724	725-749	750-784	785-850
Grade 8 English Language Arts	650-699	700-724	725-749	750-793	794-850
Grade 9 English Language Arts	650-699	700-724	725-749	750-790	791-850
Grade 10 English Language Arts	650-699	700-724	725-749	750-793	794-850
Grade 3 Mathematics	650-699	700-724	725-749	750-789	790-850
Grade 4 Mathematics	650-699	700-724	725-749	750-795	796-850
Grade 5 Mathematics	650-699	700-724	725-749	750-789	790-850
Grade 6 Mathematics	650-699	700-724	725-749	750-787	788-850
Grade 7 Mathematics	650-699	700-724	725-749	750-785	786-850
Grade 8 Mathematics	650-699	700-724	725-749	750-800	801-850
Algebra I	650-699	700-724	725-749	750-804	805-850
Geometry	650-699	700-724	725-749	750-782	783-850
Integrated Mathematics I	650-699	700-724	725-749	750-798	799-850
Integrated Mathematics II	650-699	700-724	725-749	750-784	785-850

## Preliminary Test Results

Tables 3 and 4 summarize the performance of Ohio public school students on the spring 2015 English language arts and mathematics tests. Students with individualized education programs (IEPs) and/or English language learner status are included in the figures.

**TABLE 3 – RESULTS OF THE SPRING 2015 ENGLISH LANGUAGE ARTS TESTS**

Grade 4 English Language Arts										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	7,668	6.7	73.3	125	1.7	49.6	7,793	6.4	71.8
	Accelerated	41,161	35.9		1,353	18.5		42,514	34.9	
	Proficient	35,054	30.6		2,152	29.4		37,206	30.5	
Below Proficient	Basic	20,429	17.8	26.7	2,212	30.2	50.4	22,641	18.6	28.2
	Limited	10,195	8.9		1,477	20.2		11,672	9.6	

Grade 5 English Language Arts										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	2,987	2.5	70.9	43	0.6	46.2	3,030	2.4	69.3
	Accelerated	45,081	38.4		1,350	17.6		46,431	37.2	
	Proficient	35,035	29.9		2,149	28.0		37,184	29.8	
Below Proficient	Basic	22,845	19.5	29.1	2,370	30.9	53.8	25,215	20.2	30.7
	Limited	11,345	9.7		1,756	22.9		13,101	10.5	

Grade 6 English Language Arts										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	5,256	4.5	71.7	104	1.3	48.5	5,360	4.3	70.2
	Accelerated	41,479	35.3		1,482	18.5		42,961	34.2	
	Proficient	37,495	31.9		2,313	28.8		39,808	31.7	
Below Proficient	Basic	22,498	19.2	28.3	2,422	30.2	51.5	24,920	19.9	29.8
	Limited	10,737	9.1		1,710	21.3		12,447	9.9	

Grade 7 English Language Arts										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	11,959	10.0	69.8	236	2.8	47.3	12,195	9.6	68.3
	Accelerated	39,350	33.0		1,545	18.3		40,895	32.1	
	Proficient	31,878	26.8		2,207	26.2		34,085	26.7	
Below Proficient	Basic	20,882	17.5	30.2	2,203	26.2	52.7	23,085	18.1	31.7
	Limited	15,091	12.7		2,232	26.5		17,323	13.6	

Grade 8 English Language Arts										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	7,678	6.4	69.4	129	1.5	48.4	7,807	6.1	68.0
	Accelerated	43,754	36.5		1,718	20.4		45,472	35.4	
	Proficient	31,807	26.5		2,237	26.5		34,044	26.5	
Below Proficient	Basic	20,999	17.5	30.6	2,119	25.1	51.6	23,118	18.0	32.0
	Limited	15,730	13.1		2,233	26.5		17,963	14.0	

Grade 9 English Language Arts										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	12,108	10.0	73.8	195	3.0	51.8	12,303	9.6	72.7
	Accelerated	46,368	38.3		1,570	23.8		47,938	37.5	
	Proficient	30,881	25.5		1,645	25.0		32,526	25.5	
Below Proficient	Basic	19,056	15.7	26.2	1,524	23.1	48.2	20,580	16.1	27.3
	Limited	12,682	10.5		1,653	25.1		14,335	11.2	

Grade 10 English Language Arts										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	434	18.7	75.7	53	12.3	55.6	487	17.7	72.5
	Accelerated	943	40.5		132	30.6		1,075	39.0	
	Proficient	383	16.5		55	12.7		438	15.9	
Below Proficient	Basic	245	10.5	24.3	52	12.0	44.4	297	10.8	27.5
	Limited	321	13.8		140	32.4		461	16.7	

**TABLE 4 – RESULTS OF THE SPRING 2015 MATHEMATICS TESTS**

Grade 3 Mathematics										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	6,920	5.8	68.1	130	1.5	39.9	7,050	5.5	66.1
	Accelerated	40,325	33.9		1,243	14.0		41,568	32.5	
	Proficient	33,848	28.4		2,180	24.5		36,028	28.1	
Below Proficient	Basic	24,476	20.5	31.9	2,794	31.4	60.1	27,270	21.3	33.9
	Limited	13,546	11.4		2,553	28.7		16,099	12.6	

Grade 4 Mathematics										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	3,106	2.7	66.7	48	0.7	35.1	3,154	2.6	64.8
	Accelerated	38,086	33.3		830	11.4		38,916	32.0	
	Proficient	35,121	30.7		1,688	23.1		36,809	30.2	
Below Proficient	Basic	27,028	23.6	33.3	2,701	37.0	64.9	29,729	24.4	35.2
	Limited	11,055	9.7		2,040	27.9		13,095	10.8	

Grade 5 Mathematics												
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public				
		Count	Percent		Count	Percent		Count	Percent			
Proficient or Above	Advanced	5,233	4.5		67.5	72	0.9		33.5	5,305	4.3	
	Accelerated	37,630	32.2			764	10.0			38,394	30.9	
	Proficient	35,995	30.8			1,726	22.6			37,721	30.3	
Below Proficient	Basic	27,123	23.2		32.5	2,791	36.5		66.5	29,914	24.0	
	Limited	10,823	9.3			2,290	30.0			13,113	10.5	

Grade 6 Mathematics												
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public				
		Count	Percent		Count	Percent		Count	Percent			
Proficient or Above	Advanced	4,749	4.1		67.3	70	0.9		36.7	4,819	3.9	
	Accelerated	37,214	31.9			1,006	12.6			38,220	30.7	
	Proficient	36,404	31.2			1,863	23.3			38,267	30.7	
Below Proficient	Basic	27,617	23.7		32.7	2,954	36.9		63.3	30,571	24.6	
	Limited	10,540	9.0			2,108	26.3			12,648	10.2	

Grade 7 Mathematics												
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public				
		Count	Percent		Count	Percent		Count	Percent			
Proficient or Above	Advanced	3,360	2.9		66.9	49	0.6		38.9	3,409	2.7	
	Accelerated	34,103	29.4			855	10.2			34,958	28.1	
	Proficient	40,087	34.6			2,349	28.1			42,436	34.1	
Below Proficient	Basic	27,924	24.1		33.1	3,395	40.6		61.1	31,319	25.2	
	Limited	10,456	9.0			1,704	20.4			12,160	9.8	

Grade 8 Mathematics												
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public				
		Count	Percent		Count	Percent		Count	Percent			
Proficient or Above	Advanced	861	1.0		54.7	64	0.8		35.9	925	1.0	
	Accelerated	22,692	25.9			1,147	14.1			23,839	24.9	
	Proficient	24,374	27.8			1,708	21.0			26,082	27.2	
Below Proficient	Basic	21,912	25.0		45.3	2,371	29.2		64.1	24,283	25.3	
	Limited	17,859	20.4			2,835	34.9			20,694	21.6	

Algebra I												
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public				
		Count	Percent		Count	Percent		Count	Percent			
Proficient or Above	Advanced	2,399	2.2		67.4	12	0.2		41.1	2,411	2.1	
	Accelerated	38,908	35.9			835	15.4			39,743	34.9	
	Proficient	31,821	29.3			1,373	25.4			33,194	29.1	
Below Proficient	Basic	24,407	22.5		32.6	1,763	32.6		58.9	26,170	23.0	
	Limited	10,992	10.1			1,422	26.3			12,414	10.9	

Geometry										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	2,772	8.5	90.5	9	1.5	65.3	2,781	8.3	90.1
	Accelerated	17,225	52.7		170	27.7		17,395	52.2	
	Proficient	9,605	29.4		221	36.1		9,826	29.5	
Below Proficient	Basic	2,518	7.7	9.5	152	24.8	34.7	2,670	8.0	9.9
	Limited	575	1.8		61	10.0		636	1.9	

Integrated Mathematics I										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	473	4.6	59.6	1	0.3	26.1	474	4.4	58.4
	Accelerated	3,298	32.0		37	9.6		3,335	31.1	
	Proficient	2,379	23.1		63	16.3		2,442	22.8	
Below Proficient	Basic	2,404	23.3	40.4	126	32.6	73.9	2,530	23.6	41.6
	Limited	1,767	17.1		160	41.3		1,927	18.0	

Integrated Mathematics II										
PERFORMANCE LEVEL		Public Districts			Community Schools			Total Public		
		Count	Percent		Count	Percent		Count	Percent	
Proficient or Above	Advanced	322	15.7	89.2	0	0.0	6.4	322	15.4	87.3
	Accelerated	976	47.7		0	0.0		976	46.7	
	Proficient	526	25.7		3	6.4		529	25.3	
Below Proficient	Basic	174	8.5	10.8	8	17.0	93.6	182	8.7	12.7
	Limited	47	2.3		36	76.6		83	4.0	

Note: Percentages may not add up to 100 percent due to rounding. Students in eighth grade or below who were enrolled in algebra or geometry classes took the algebra I or geometry tests instead of the mathematics tests intended for their enrolled grades. The few students (fewer than 4 percent of the total) who did not take both the performance-based assessment and end-of-year sections of their tests were assigned scale scores based on the number of points earned on the completed sections.