



**OHIO GRADUATION TESTS
ITEM ANALYSIS
STATE PUBLIC SCHOOLS
MARCH 2009**

Grade 10 Reading													
Multiple Choice Items			Percent Responding									Percent Correct	
Item	Standard	Benchmark	**	(A)	(B)	(C)	(D)						State
07	AV	A	00	08	04	19	69*						69
09	AV	B	00	20	51*	10	19						51
24	AV	A	00	09	02	61*	28						61
27	AV	A	00	04	36	46*	14						46
31	AV	A	00	18	11	65*	06						65
32	AV	A	00	10	07	72*	11						72
39	AV	A	01	10	20	65*	05						65
41	AV	A	01	81*	06	02	09						81
08	IT	B	00	01	95*	02	02						95
10	IT	B	00	09	15	12	64*						64
13	IT	B	00	10	19	19	52*						52
15	IT	D	00	06	02	88*	03						88
25	IT	D	00	19	75*	02	03						75
26	IT	D	00	25	14	03	58*						58
28	IT	B	00	07	79*	05	09						79
30	IT	D	00	02	05	05	88*						88
43	IT	D	01	74*	11	08	06						74
44	IT	A	01	03	18	13	65*						65
03	LT	C	00	49*	11	09	31						49
05	LT	F	00	74*	04	11	11						74
06	LT	C	00	02	83*	04	10						83
33	LT	F	00	10	59*	04	27						59
35	LT	C	01	05	84*	07	04						84
37	LT	A	01	84*	05	05	05						84
38	LT	C	01	84*	03	10	01						84
01	RP	B	00	06	07	81*	06						81
02	RP	B	00	50*	23	13	13						50
11	RP	A	00	07	26	12	55*						55
22	RP	B	00	02	95*	02	02						95
23	RP	B	00	89*	04	03	04						89
34	RP	A	00	16	04	10	69*						69
40	RP	A	01	04	70*	09	16						70
Short Answer Items			Percent at Each Score Point									Mean Score	
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)	(2.5)	(3.0)	(3.5)	(4.0)	State
29	IT	D	02	34	06	17	08	33					0.99
04	LT	D	01	31	09	24	11	25					0.94
12	RP	A	01	13	02	27	05	51					1.38
42	RP	B	03	23	06	37	07	25					0.99
Extended Response Items			Percent at Each Score Point									Mean Score	
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)	(2.5)	(3.0)	(3.5)	(4.0)	State
14	IT	D	02	16	05	13	06	13	06	15	06	17	2.04
36	LT	A	03	58	08	08	05	09	04	04	01	01	0.66
Total Students Tested			133806										

Legend

- * Correct answer for multiple choice item
- ** Percentage of students who did not respond

Reading Standards

- AV Acquisition of Vocabulary
- IT Reading Applications: Informational Text
- LT Reading Applications: Literary Text
- RP Reading Process

Only released items are included.

The state percent correct reflects the percentage of students selecting the correct response for multiple choice items.

The state mean reflects the average scores of students for short and extended response items.

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**OHIO GRADUATION TESTS
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Grade 10 Mathematics													
Multiple Choice Items			Percent Responding								Percent Correct		
Item	Standard	Benchmark	**	(A)	(B)	(C)	(D)					State	
01	DA	B	00	93*	05	00	02					93	
04	DA	K	00	02	03	09	86*					86	
16	DA	D	00	06	74*	11	08					74	
26	DA	H	00	11	04	07	78*					78	
31	DA	A	00	09	07	10	74*					74	
35	DA	F	00	04	12	06	79*					79	
38	DA	A	00	13	22	59*	06					59	
42	DA	J	00	14	15	58*	13					58	
03	GS	C	00	05	02	02	92*					92	
07	GS	E	00	88*	01	07	03					88	
18	GS	F	00	82*	07	07	04					82	
23	GS	D	00	07	70*	17	05					70	
29	GS	B	00	10	63*	23	04					63	
36	GS	I	00	17	18	54*	11					54	
09	ME	C	00	23	14	57*	06					57	
20	ME	D	00	76*	11	09	04					76	
24	ME	E	00	11	16	09	64*					64	
32	ME	B	00	59*	29	10	02					59	
39	ME	C	00	23	49*	15	14					49	
44	ME	F	00	08	18	65*	09					65	
06	NS	A	00	07	84*	08	01					84	
19	NS	E	00	10	09	73*	08					73	
27	NS	G	00	16	10	66*	08					66	
30	NS	C	00	65*	14	11	10					65	
41	NS	I	00	35*	14	17	33					35	
02	PA	F	00	07	90*	02	01					90	
08	PA	D	00	85*	05	09	01					85	
21	PA	A	00	03	06	09	83*					83	
25	PA	C	00	78*	11	08	04					78	
33	PA	E	00	04	06	11	78*					78	
37	PA	I	00	03	91*	04	02					91	
43	PA	D	00	10	14	09	67*					67	
Short Answer Items			Percent at Each Score Point								Mean Score		
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)	(2.5)	(3.0)	(4.0)	State	
22	DA	E	04	45	04	12	07	27				0.80	
40	GS	F	04	45	07	15	02	26				0.74	
05	ME	B	02	35	04	24	04	32				0.96	
17	PA	A	03	49	04	18	05	22				0.70	
28	PA	F	05	38	04	23	03	27				0.83	
Extended Response Items			Percent at Each Score Point								Mean Score		
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)	(2.5)	(3.0)	(3.5)	(4.0)	State
34	NS	G	03	43	04	05	02	06	02	11	05	20	1.56
Total Students Tested			134802										

Legend

- * Correct answer for multiple choice item
- ** Percentage of students who did not respond

Mathematics Standards

- DA Data Analysis and Probability
- GS Geometry and Spatial Sense
- ME Measurement
- NS Number, Number Sense and Operations
- PA Patterns, Functions and Algebra

Only released items are included.

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The state mean reflects the average scores of students for short and extended response items.

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**OHIO GRADUATION TESTS
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Grade 10 Writing													
Multiple Choice Items			Percent Responding						Percent Correct				
Item	Standard	Benchmark	**	(A)	(B)	(C)	(D)				State		
02	WP	D	00	06	78*	14	02				78		
03	WP	D	00	05	48	46*	01				46		
04	WP	D	00	29	04	02	65*				65		
06	WP	C	00	66*	04	03	26				66		
07	WP	D	00	05	76*	02	17				76		
08	WP	C	00	02	15	81*	02				81		
09	WP	B	00	05	08	82*	05				82		
10	WP	C	00	03	05	05	88*				88		
11	WP	A	00	08	08	75*	09				75		
12	WP	B	00	78*	12	07	03				78		
Short Answer Items			Percent at Each Score Point						Mean Score				
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)				State	
05	WP	A	01	01	01	09	12	77				1.80	
Writing Prompts: Conventions			Percent at Each Score Point						Mean Score				
Item	Standard	Benchmark	**	(0)	(1)	(2)	(3)	(4)	(5)	(6)	State		
01	WC	C	00	00	00	01	02	11	18	67	5.46		
13	WC	C	01	00	00	01	02	11	17	68	5.44		
Writing Prompts: Applications			Percent at Each Score Point Range						Mean Score				
Item	Standard	Benchmark	**	(0)	(1-2)	(3-4)	(5-6)	(7-8)	(9-10)	(11-12)	State		
01	WA	A	00	00	01	10	38	42	08	00	6.54		
13	WA	C	01	00	02	14	46	33	05	00	6.14		
Total Students Tested			133614										

Legend

- * Correct answer for multiple choice item
- ** Percentage of students who did not respond

Writing Standards

- WA Writing Applications
- WC Writing Conventions
- WP Writing Process

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**OHIO GRADUATION TESTS
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Grade 10 Science													
Multiple Choice Items			Percent Responding										Percent Correct
Item	Standard	Benchmark	**	(A)	(B)	(C)	(D)						State
15	ES	C	00	16	67*	03	13						67
17	ES	C	00	65*	09	13	12						65
21	ES	B	00	05	76*	05	14						76
30	ES	E	00	61*	15	16	08						61
34	ES	A	00	22	47*	23	07						47
36	ES	E	00	02	12	81*	05						81
38	ES	E	00	40*	30	15	16						40
43	ES	C	00	64*	10	13	12						64
02	LS	G	00	04	02	90*	03						90
05	LS	A	00	08	12	68*	12						68
13	LS	G	00	14	68*	12	06						68
20	LS	C	00	02	03	63*	33						63
25	LS	E	00	58*	13	07	22						58
31	LS	I	00	12	72*	07	09						72
33	LS	F	00	62*	05	13	21						62
39	LS	C	00	19	14	49*	18						49
41	LS	I	00	14	57*	17	12						57
44	LS	H	00	12	10	64*	14						64
01	PS	A	00	06	06	03	85*						85
04	PS	F	00	83*	05	04	08						83
14	PS	D	00	87*	04	06	03						87
16	PS	F	00	12	09	68*	10						68
22	PS	C	00	05	65*	08	23						65
26	PS	E	00	04	80*	10	06						80
28	PS	H	00	04	09	75*	11						75
32	PS	G	00	12	12	64*	11						64
37	PS	A	00	12	63*	12	13						63
42	PS	C	00	09	07	75*	09						75
23	SI	A	00	78*	07	04	11						78
03	SK	D	00	06	75*	04	14						75
27	SK	A	00	05	04	05	85*						85
19	ST	B	00	62*	09	19	10						62
Short Answer Items			Percent at Each Score Point										Mean Score
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)	(2.5)	(3.0)	(3.5)	(4.0)	State
29	LS	C	04	45	04	09	07	31					0.84
24	PS	G	01	13	03	48	03	32					1.18
18	SK	C	02	11	07	30	17	34					1.26
40	ST	B	03	37	05	29	09	18					0.80
Extended Response Items			Percent at Each Score Point										Mean Score
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)	(2.5)	(3.0)	(3.5)	(4.0)	State
06	ES	B	03	22	06	14	09	17	06	08	06	09	1.59
35	SI	A	03	16	03	16	06	20	08	17	05	08	1.83
Total Students Tested			134864										

Legend

- * Correct answer for multiple choice item
- ** Percentage of students who did not respond

Science Standards

- ES Earth and Space Sciences
- LS Life Sciences
- PS Physical Sciences
- SI Scientific Inquiry
- SK Scientific Ways of Knowing
- ST Science and Technology

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**OHIO GRADUATION TESTS
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Grade 10 Social Studies													
Multiple Choice Items			Percent Responding										Percent Correct
Item	Standard	Benchmark	**	(A)	(B)	(C)	(D)						State
16	CI	B	00	06	04	07	83*						83
17	CI	A	00	85*	08	02	05						85
31	CI	B	00	09	70*	14	06						70
04	EC	A	00	10	16	67*	07						67
15	EC	A	00	08	79*	06	06						79
38	EC	B	00	04	12	16	68*						68
43	EC	B	00	11	22	52*	14						52
02	GE	C	00	04	04	88*	03						88
03	GE	A	00	02	14	72*	11						72
40	GE	B	00	75*	06	11	08						75
19	GO	B	00	12	13	10	65*						65
33	GO	B	00	04	04	18	74*						74
36	GO	A	00	75*	10	08	06						75
42	GO	A	00	78*	04	14	04						78
08	HI	B	00	68*	19	09	04						68
13	HI	E	00	09	06	75*	10						75
28	HI	A	00	07	62*	16	15						62
30	HI	C	00	69*	09	14	08						69
32	HI	D	00	07	58*	13	21						58
35	HI	F	00	08	08	17	67*						67
37	HI	A	00	07	73*	13	07						73
41	HI	F	00	08	12	76*	04						76
01	PE	B	00	88*	04	07	02						88
11	PE	A	00	02	08	05	85*						85
20	PE	C	00	06	12	74*	08						74
06	SO	A	00	10	09	03	78*						78
07	SO	B	00	08	72*	09	11						72
09	SO	B	00	03	13	78*	06						78
12	SO	B	00	02	04	82*	12						82
18	SO	A	00	04	19	13	64*						64
27	SO	A	00	11	15	11	63*						63
44	SO	A	00	08	13	70*	10						70
Short Answer Items			Percent at Each Score Point										Mean Score
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)	(2.5)	(3.0)	(3.5)	(4.0)	State
05	EC	B	01	22	04	28	03	42					1.18
39	HI	C	03	19	07	46	11	14					0.93
34	PE	C	02	11	07	39	10	31					1.19
14	SO	B	02	25	06	22	06	39					1.11
Extended Response Items			Percent at Each Score Point										Mean Score
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)	(2.5)	(3.0)	(3.5)	(4.0)	State
10	GE	C	03	11	03	10	05	16	08	17	09	18	2.28
29	HI	B	04	23	05	17	06	15	06	12	05	08	1.58
Total Students Tested			134060										

Social Studies Standards

- CI Citizenship Rights and Responsibilities
- EC Economics
- GE Geography
- GO Government
- HI History
- PE People in Societies
- SO Social Studies Skills and Methods

Legend

- * Correct answer for multiple choice item
- ** Percentage of students who did not respond

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