



**OHIO GRADUATION TESTS
ITEM ANALYSIS
STATE PUBLIC SCHOOLS
MARCH 2008**

Grade 10 Reading													
Multiple Choice Items			Percent Responding										Percent Correct
Item	Standard	Benchmark	**	(A)	(B)	(C)	(D)						State
05	AV	A	00	13	04	70*	14						70
07	AV	A	00	03	04	82*	10						82
09	AV	A	00	84*	05	06	04						84
10	AV	C	00	06	41*	10	42						41
19	AV	A	00	06	01	09	83*						83
32	AV	A	00	41	12	38*	08						38
33	AV	C	00	56*	03	12	29						56
40	AV	A	01	75*	04	13	08						75
01	IT	D	00	93*	02	03	02						93
02	IT	D	00	82*	03	10	05						82
04	IT	E	00	07	53*	28	12						53
06	IT	D	00	02	03	03	92*						92
17	IT	D	00	04	83*	04	09						83
22	IT	A	00	38	06	46*	10						46
29	IT	D	00	06	25	09	59*						59
30	IT	A	01	71*	06	06	15						71
37	IT	D	01	48*	03	14	34						48
38	IT	D	01	13	04	07	74*						74
12	LT	F	00	87*	05	05	03						87
13	LT	C	00	06	77*	13	03						77
16	LT	F	00	17	15	65*	02						65
39	LT	F	01	09	12	09	70*						70
43	LT	A	01	51*	16	21	10						51
44	LT	C	01	10	04	81*	04						81
08	RP	B	00	65*	28	03	04						65
11	RP	B	00	84*	03	10	03						84
15	RP	A	00	50*	26	17	07						50
18	RP	B	00	04	05	86*	05						86
20	RP	B	00	06	05	15	74*						74
34	RP	A	00	06	03	83*	08						83
35	RP	A	01	04	83*	08	04						83
42	RP	A	01	13	57*	10	20						57
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
03	IT	D	02	14	11	45	06	22					1.04
36	IT	D	03	15	11	33	10	27					1.08
41	LT	F	03	41	06	30	04	17					0.71
21	RP	B	01	03	02	18	09	68					1.67
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
31	IT	D	05	26	06	20	06	15	05	09	03	04	1.29
14	LT	G	04	16	01	12	07	23	08	11	08	09	1.88
Total Students Tested			134660										

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	AL	A	00	01	05	07	86*					86	
07	AL	C	00	07	05	04	84*					84	
17	AL	H	00	12	70*	13	05					70	
21	AL	I	00	20	58*	15	06					58	
31	AL	E	00	61*	15	13	12					61	
35	AL	D	00	07	08	16	68*					68	
38	AL	B	00	05	77*	07	11					77	
41	AL	C	00	07	11	08	74*					74	
03	DA	G	00	06	01	02	90*					90	
06	DA	F	00	02	10	83*	05					83	
08	DA	H	00	07	09	08	76*					76	
12	DA	K	00	07	06	84*	03					84	
15	DA	D	00	57*	11	09	23					57	
18	DA	A	00	04	26	68*	02					68	
32	DA	K	00	23	06	14	57*					57	
39	DA	B	00	05	74*	13	08					74	
43	DA	J	00	04	74*	09	12					74	
04	GE	E	00	90*	02	03	05					90	
13	GE	D	00	14	68*	11	06					68	
37	GE	B	00	16	12	62*	09					62	
42	GE	C	00	20	04	66*	09					66	
09	ME	D	00	85*	07	05	03					85	
20	ME	C	00	07	14	57*	21					57	
29	ME	B	00	17	16	11	55*					55	
33	ME	F	00	05	25	65*	05					65	
36	ME	C	00	11	11	61*	17					61	
44	ME	B	00	15	67*	12	06					67	
02	OP	D	00	04	90*	05	01					90	
10	OP	F	00	05	07	80*	08					80	
14	OP	G	00	65*	16	13	06					65	
19	OP	I	00	04	06	32	58*					58	
30	OP	E	00	22	18	42*	18					42	
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	
11	AL	F	02	32	02	16	06	42				1.10	
22	DA	G	06	27	05	27	12	24				0.95	
16	ME	F	03	19	02	56	02	17				0.95	
05	OP	G	02	26	07	19	03	43				1.13	
40	OP	A	05	42	05	26	02	19				0.70	
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	GE	F	04	12	03	14	04	40	02	05	02	14	1.82
Total Students Tested			135399										

Legend

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

Mathematics Standards

- DA Data Analysis and Probability
- GE Geometry and Spatial Sense
- ME Measurement
- OP Number, Number Sense and Operations
- AL Patterns, Functions and Algebra

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 Writing											
Multiple Choice Items			Percent Responding							Percent Correct	
Item	Standard	Benchmark	**	(A)	(B)	(C)	(D)				State
02	WP	A	00	83*	07	08	01				83
03	WP	B	00	02	02	02	93*				93
04	WP	D	00	19	55*	19	07				55
06	WP	B	00	75*	05	12	07				75
07	WP	D	00	05	61*	02	33				61
08	WP	D	00	06	79*	12	03				79
09	WP	D	00	14	61*	08	16				61
10	WP	C	00	07	85*	05	03				85
11	WP	C	00	69*	07	12	12				69
12	WP	C	00	18	07	63*	12				63
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	10	03	05	05	76			1.65
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	02	03	12	21	61	5.33
13	WC	C	01	00	00	02	03	13	21	60	5.31
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	E	00	00	02	20	45	28	04	00	5.84
13	WA	C	01	00	01	12	47	34	05	00	6.21
Total Students Tested			134138								

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
04	ES	F	00	08	05	78*	10						78
13	ES	C	00	52*	17	25	07						52
15	ES	E	00	71*	08	16	05						71
20	ES	A	00	08	20	20	52*						52
22	ES	F	00	71*	06	09	15						71
30	ES	C	00	19	12	19	49*						49
38	ES	E	00	08	55*	28	09						55
41	ES	F	00	07	65*	12	16						65
03	LS	A	00	06	06	81*	07						81
05	LS	B	00	17	63*	07	13						63
09	LS	C	00	04	14	31	51*						51
10	LS	G	00	13	64*	08	15						64
11	LS	F	00	12	49*	29	10						49
32	LS	E	00	05	61*	11	22						61
33	LS	H	00	06	08	54*	32						54
34	LS	I	00	13	11	57*	19						57
37	LS	J	00	05	17	03	74*						74
43	LS	F	00	19	14	63*	04						63
01	PS	B	00	88*	04	02	07						88
07	PS	D	00	37	13	42*	08						42
14	PS	G	00	34	03	08	55*						55
16	PS	B	00	14	14	20	51*						51
17	PS	C	00	50*	31	08	11						50
21	PS	G	00	30	14	46*	11						46
31	PS	A	00	80*	04	14	02						80
36	PS	C	00	13	16	10	61*						61
42	PS	E	00	05	09	58*	29						58
44	PS	F	00	64*	16	15	05						64
19	SI	A	00	02	84*	11	03						84
02	SK	C	00	03	08	83*	06						83
39	SK	B	00	06	04	09	81*						81
08	ST	B	00	11	07	76*	06						76
Short Answer Items			Percent at Each Score Point										Mean Score
Item	Standard	Benchmark	**	(0.0)	(0.5)	(1.0)	(1.5)	(2.0)					State
12	LS	H	03	29	08	21	14	26					0.98
29	PS	D	02	09	07	65	07	09					0.98
18	SK	C	03	35	17	23	10	12					0.69
40	ST	B	03	21	08	30	11	26					1.03
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	D	01	03	01	07	06	24	10	17	11	20	2.60
35	SI	A	04	19	07	10	11	16	10	09	08	07	1.67
Total Students Tested			135387										

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
04	CI	B	00	16	13	58*	12						58
31	CI	A	00	09	08	75*	08						75
42	CI	A	00	11	79*	04	05						79
03	EC	A	00	08	17	65*	10						65
13	EC	A	00	12	04	16	69*						69
32	EC	B	00	14	09	67*	10						67
41	EC	B	00	11	06	11	72*						72
07	GE	A	00	11	12	60*	16						60
08	GE	C	00	69*	04	16	11						69
18	GE	B	00	88*	03	03	05						88
02	GO	B	00	76*	04	11	09						76
10	GO	A	00	09	06	08	77*						77
12	GO	B	00	73*	06	03	17						73
37	GO	A	00	06	51*	21	21						51
06	HI	E	00	08	04	71*	17						71
09	HI	D	00	13	13	14	60*						60
14	HI	A	00	52*	12	16	20						52
15	HI	B	00	04	13	18	65*						65
20	HI	F	00	12	63*	16	09						63
30	HI	F	00	14	76*	05	04						76
34	HI	C	00	12	07	75*	06						75
40	HI	A	00	06	69*	18	06						69
01	PE	B	00	04	80*	12	04						80
22	PE	A	00	04	89*	04	02						89
33	PE	C	00	06	06	09	79*						79
16	SO	A	00	14	13	58*	15						58
19	SO	A	00	03	02	04	91*						91
21	SO	A	00	04	05	87*	04						87
36	SO	B	00	74*	11	10	06						74
38	SO	B	00	06	03	04	87*						87
43	SO	A	00	04	05	08	83*						83
44	SO	B	00	14	08	68*	10						68
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
11	CI	A	03	28	10	16	12	32					1.02
39	GE	C	03	33	14	25	11	15					0.77
35	HI	B	03	09	05	43	17	23					1.16
05	SO	A	02	49	22	17	06	04					0.46
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
29	HI	E	06	23	09	11	06	19	06	04	04	12	1.53
17	PE	A	02	28	13	12	12	18	04	05	02	04	1.21
Total Students Tested			134970										

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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