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)	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)					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

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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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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)	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	

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

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

Only released items are included.

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