

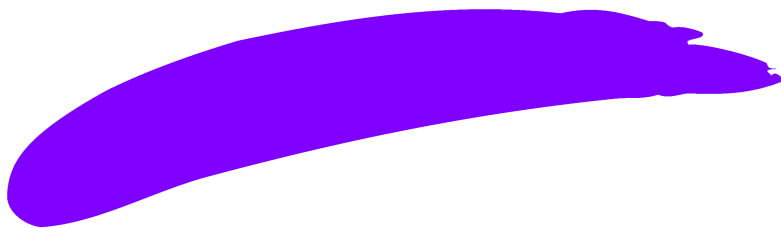


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## 2009-2010 Item Response Summary Report

Code: 01149776  
WEST VIRGINIA DEPT OF EDUC  
CHARLESTON, WV

State Report - Grade 8  
West Virginia Department of Education

OO#: 10372664  
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**ACT**<sup>®</sup>

15-JAN-10

**TABLE 1: Item-Response Summary for English**

Item Number	Percent of report group selecting each option, by response position					REFERENCE group percentage correct	Percentage difference (report group minus reference group percentage correct)			Item Number
	Asterisks mark correct responses.						Report group responded correctly			
	A / F %	B / G %	C / H %	D / J %	Omit %		Less often	As often	More often	
<b>Usage/Mechanics: Punctuation</b>										
4	*74	4	14	8	0	77		-3		4
11	39	18	14	*28	0	26		2		11
14	*71	14	8	7	0	74		-3		14
24	28	5	10	*57	0	60		-3		24
28	9	4	*77	9	1	76		1		28
33	*55	16	16	11	2	53		2		33
37	34	*40	12	9	4	41		-1		37
Avg. % Correct	58%					58%				
<b>Usage/Mechanics: Grammar &amp; Usage</b>										
5	*86	5	5	4	0	85		1		5
10	3	2	2	*93	0	94		-1		10
17	14	*70	11	5	0	71		-1		17
19	11	12	3	*74	0	77		-3		19
20	4	2	3	*91	0	92		-1		20
25	5	4	*88	2	0	87		1		25
27	8	*84	4	3	1	83		1		27
36	10	7	6	*74	3	71		3		36
Avg. % Correct	83%					83%				
<b>Usage/Mechanics: Sentence Structure</b>										
3	23	2	*70	4	0	68		2		3
6	6	14	*76	4	0	77		-1		6
8	15	12	7	*66	0	66		0		8
13	*71	3	20	5	0	69		2		13
21	*76	17	4	3	0	78		-2		21
23	*68	9	14	9	0	69		-1		23
26	16	*66	5	13	0	69		-3		26
29	*64	12	12	11	1	65		-1		29
31	28	*45	14	11	2	43		2		31
34	17	*22	5	53	3	23		-1		34
Avg. % Correct	62%					63%				
<b>Rhetorical Skills: Organization</b>										
2	14	*71	8	7	0	68		3		2
12	12	12	5	*72	0	73		-1		12
16	21	13	*51	14	0	52		-1		16
18	*79	5	8	8	0	83		-4		18
38	14	19	*56	7	5	58		-2		38
Avg. % Correct	66%					67%				

**TABLE 1: Item-Response Summary for English**

Item Number	Percent of report group selecting each option, by response position					REFERENCE group percentage correct	Percentage difference (report group minus reference group percentage correct)			Item Number
	Asterisks mark correct responses.						Report group responded correctly			
	A / F %	B / G %	C / H %	D / J %	Omit %		Less often	As often	More often	
<b>Rhetorical Skills: Strategy</b>										
1	18	*49	18	14	0	47		2		1
9	16	22	*53	10	0	53		0		9
22	19	*49	23	8	0	53		-4		22
30	14	*63	14	8	1	64		-1		30
35	29	25	*34	9	3	32		2		35
40	*50	11	20	14	5	52		-2		40
Avg. % Correct		50%				50%				
<b>Rhetorical Skills: Style</b>										
7	7	*83	8	3	0	84		-1		7
15	18	22	*47	13	0	52		-5		15
32	12	*52	19	15	2	51		1		32
39	21	17	8	*49	5	50		-1		39
Avg. % Correct		58%				59%				

**TABLE 2: Item-Response Summary for Mathematics**

Item Number	Percent of report group selecting each option, by response position						REFERENCE group percentage correct	Percentage difference (report group minus reference group percentage correct)			Item Number
	Asterisks mark correct responses.							Report group responded correctly			
	A / F %	B / G %	C / H %	D / J %	E / K %	Omit %		Less often	As often	More often	
<b>Pre-Algebra</b>											
1	10	*73	5	4	8	0	75		-2		1
2	8	*77	7	3	6	0	80		-3		2
3	2	*80	8	6	5	0	80		0		3
5	3	*67	3	2	25	0	70		-3		5
13	14	11	*40	27	7	0	40		0		13
14	8	17	*57	12	6	0	56		1		14
18	9	*61	13	11	6	1	63		-2		18
19	5	12	*56	18	8	1	59		-3		19
27	10	16	17	26	*26	5	27		-1		27
29	18	12	13	*19	33	6	21		-2		29
Avg. % Correct	56%						57%				
<b>Elementary Algebra</b>											
10	*63	16	6	8	7	0	58		5		10
11	6	6	11	*75	3	0	75		0		11
12	*63	17	6	6	7	0	68		-5		12
15	6	23	*51	11	9	0	52		-1		15
16	20	11	*37	10	22	0	39		-2		16
17	11	27	21	*34	7	1	35		-1		17
20	22	11	12	10	*43	2	45		-2		20
26	*47	15	12	11	12	4	46		1		26
28	*31	15	19	12	18	6	29		2		28
Avg. % Correct	49%						50%				
<b>Geometry</b>											
7	5	9	*63	12	11	0	62		1		7
8	5	5	15	*60	15	0	66		-6		8
21	17	18	11	18	*36	1	39		-3		21
22	3	11	*58	10	17	1	42			16	22
23	20	16	20	18	*23	2	24		-1		23
24	23	14	16	15	*29	3	29		0		24
30	21	*21	15	18	18	7	18		3		30
Avg. % Correct	42%						40%				
<b>Statistics/Probability</b>											
4	*82	8	4	4	2	0	85		-3		4
6	*67	10	10	7	7	0	66		1		6
9	13	12	6	*67	2	0	62		5		9
25	14	29	15	*31	8	3	29		2		25
Avg. % Correct	62%						61%				

**TABLE 3: Item-Response Summary for Reading**

Item Number	Percent of report group selecting each option, by response position					REFERENCE group percentage correct	Percentage difference (report group minus reference group percentage correct)			Item Number
	Asterisks mark correct responses.						Report group responded correctly			
	A / F %	B / G %	C / H %	D / J %	Omit %		Less often	As often	More often	
<b>Prose Fiction</b>										
1	22	11	23	*44	0	46		-2		1
2	5	*79	8	8	0	77		2		2
3	11	*55	23	11	0	56		-1		3
4	13	12	*66	9	0	64		2		4
5	*62	18	10	11	0	61		1		5
6	16	17	10	*57	0	59		-2		6
7	8	20	*60	11	0	62		-2		7
8	8	11	*73	8	0	73		0		8
9	9	16	10	*64	0	65		-1		9
10	*49	29	14	8	0	51		-2		10
Avg. % Correct	61%					61%				
<b>Social Science</b>										
11	18	17	13	*51	0	53		-2		11
12	22	*37	30	11	1	36		1		12
13	21	24	*40	14	0	44		-4		13
14	*41	24	22	13	1	43		-2		14
15	18	20	20	*41	1	40		1		15
16	22	17	*46	14	1	45		1		16
17	*59	22	10	8	1	60		-1		17
18	20	28	*41	10	1	41		0		18
19	*33	29	23	14	1	33		0		19
20	16	16	17	*50	1	50		0		20
Avg. % Correct	44%					45%				
<b>Humanities</b>										
21	16	14	15	*53	2	50		3		21
22	11	*47	15	24	3	45		2		22
23	9	15	*52	20	3	49		3		23
24	*46	16	18	17	3	40		6		24
25	24	16	17	*39	4	38		1		25
26	30	*36	10	19	5	34		2		26
27	13	22	22	*38	5	36		2		27
28	*45	18	20	12	6	39		6		28
29	10	*53	17	14	6	49		4		29
30	13	11	*47	23	6	44		3		30
Avg. % Correct	45%					42%				

**TABLE 4: Item-Response Summary for Science**

Item Number	Percent of report group selecting each option, by response position					REFERENCE group percentage correct	Percentage difference (report group minus reference group percentage correct)			Item Number
	Asterisks mark correct responses.						Report group responded correctly			
	A / F %	B / G %	C / H %	D / J %	Omit %		Less often	As often	More often	
<b>Data Representation: Life Science</b>										
1	9	6	*80	5	0	83		-3		1
2	*82	5	5	7	0	85		-3		2
3	3	*76	11	9	0	80		-4		3
4	13	*68	11	8	0	70		-2		4
9	5	10	12	*72	0	74		-2		9
10	11	*70	11	7	0	72		-2		10
11	11	13	18	*59	0	59		0		11
12	*25	30	28	18	0	24		1		12
Avg. % Correct	67%					68%				
<b>Data Representation: Physical Science</b>										
5	7	12	*74	7	0	75		-1		5
6	*60	19	12	8	0	63		-3		6
7	22	10	11	*57	0	61		-4		7
8	*50	20	17	12	0	53		-3		8
Avg. % Correct	60%					63%				
<b>Research Summaries: Earth/Space Science</b>										
24	18	*43	23	14	2	44		-1		24
25	*45	16	19	17	2	46		-1		25
26	*47	22	17	11	2	45		2		26
27	23	21	*34	19	3	34		0		27
28	29	24	19	*26	3	26		0		28
Avg. % Correct	39%					39%				
<b>Research Summaries: Physical Science</b>										
13	21	14	*59	6	0	61		-2		13
14	17	16	21	*45	0	50		-5		14
15	28	15	*47	10	0	48		-1		15
16	*40	30	16	13	0	41		-1		16
17	25	29	18	*28	0	29		-1		17
Avg. % Correct	44%					46%				
<b>Conflicting Viewpoints: Life Science</b>										
18	22	19	14	*44	1	46		-2		18
19	20	*55	12	12	1	53		2		19
20	12	32	*40	15	1	42		-2		20
21	*47	22	20	10	1	47		0		21
22	15	22	29	*33	1	33		0		22
23	19	*39	23	18	1	41		-2		23
Avg. % Correct	43%					44%				