

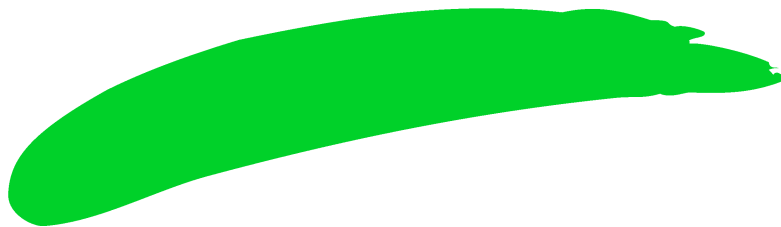


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# PLAN<sup>®</sup>



**2009-2010  
Item Response Summary Report**

**Code: 999049  
WEST VIRGINIA DEPT OF EDUC  
CHARLESTON, WV**

**State Report - Grade 10  
West Virginia Department of Education**

OO#: 10372633  
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PN#:

**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	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>										
1	*61	22	15	2	0	62		-1		1
8	9	25	3	*63	0	65		-2		8
15	19	*67	9	5	0	72		-5		15
18	13	*61	18	7	0	64		-3		18
20	*75	5	17	3	0	76		-1		20
36	22	11	30	*35	1	34		1		36
40	*42	18	13	24	3	39		3		40
Avg. % Correct	58%					59%				
<b>Usage/Mechanics: Grammar &amp; Usage</b>										
5	7	5	*80	8	0	82		-2		5
7	38	*41	6	15	0	41		0		7
10	13	8	3	*76	0	81		-5		10
11	*83	13	3	1	0	83		0		11
23	*40	27	11	22	0	40		0		23
34	11	*63	8	18	1	66		-3		34
38	*66	13	11	8	2	62		4		38
48	27	16	21	*28	9	26		2		48
Avg. % Correct	60%					60%				
<b>Usage/Mechanics: Sentence Structure</b>										
6	16	5	*67	12	0	68		-1		6
9	11	*81	2	6	0	86		-5		9
12	8	8	*80	4	0	80		0		12
13	*52	33	12	2	0	49		3		13
14	12	4	12	*71	0	75		-4		14
16	*78	5	3	14	0	80		-2		16
17	10	*67	16	7	0	69		-2		17
25	17	21	8	*55	0	58		-3		25
26	22	25	9	*44	0	47		-3		26
28	11	8	*68	13	0	71		-3		28
31	19	22	16	*43	1	47		-4		31
33	14	*62	17	5	1	64		-2		33
35	13	16	10	*59	1	59		0		35
45	17	23	*25	29	6	22		3		45
47	21	20	*40	11	8	36		4		47
Avg. % Correct	59%					61%				

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

Item Number	Percent of report group selecting each option, by response position					REFERENCE group percentage	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: Organization</b>										
3	63	*27	3	6	0	27		0		3
21	44	13	*15	27	0	17		-2		21
29	36	12	*37	14	0	38		-1		29
37	11	*56	23	9	2	57		-1		37
42	33	18	20	*25	4	24		1		42
46	14	*35	26	17	8	32		3		46
50	13	16	*48	13	10	41		7		50
Avg. % Correct	35%					34%				
<b>Rhetorical Skills: Strategy</b>										
22	*39	14	32	14	0	45		-6		22
27	*64	11	15	10	0	71		-7		27
30	25	*60	6	8	0	63		-3		30
39	16	22	*41	18	3	40		1		39
43	17	*49	21	7	5	43		6		43
49	16	22	*44	9	9	40		4		49
Avg. % Correct	50%					50%				
<b>Rhetorical Skills: Style</b>										
2	12	7	20	*61	0	58		3		2
4	17	4	18	*62	0	64		-2		4
19	*61	24	9	6	0	61		0		19
24	21	*50	20	9	0	49		1		24
32	28	16	43	*12	1	14		-2		32
41	*47	17	12	20	3	48		-1		41
44	32	11	14	*38	5	35		3		44
Avg. % Correct	47%					47%				

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

Item Number	Percent of report group selecting each option, by response position						REFERENCE group percentage	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>											
2	10	*62	9	15	4	0	66		-4		2
3	*83	3	10	2	1	0	83		0		3
8	21	8	5	4	*62	0	66		-4		8
10	23	8	14	*48	7	0	55		-7		10
11	12	*64	15	5	4	0	71		-7		11
12	22	*38	23	12	5	0	42		-4		12
15	9	12	*53	11	14	0	59		-6		15
17	10	16	14	*56	4	0	67	-11			17
18	28	20	16	18	*18	0	21		-3		18
19	23	*36	20	11	9	1	38		-2		19
26	18	*43	19	12	6	2	44		-1		26
27	8	*35	25	25	7	1	41		-6		27
30	9	16	*34	25	14	2	37		-3		30
35	15	27	20	17	*17	4	17		0		35
Avg. % Correct	46%						51%				
<b>Elementary Algebra</b>											
1	12	6	2	6	*74	0	77		-3		1
4	*55	6	14	6	18	0	65	-10			4
13	11	12	27	*46	5	0	52		-6		13
14	9	24	*41	9	17	0	53	-12			14
24	*31	24	22	15	7	1	35		-4		24
36	8	*27	26	17	17	5	27		0		36
37	42	16	*20	9	7	5	20		0		37
40	*15	19	20	17	21	7	13		2		40
Avg. % Correct	39%						43%				
<b>Coordinate Geometry</b>											
9	26	6	21	3	*45	0	55	-10			9
21	14	13	*41	25	6	0	49		-8		21
22	*37	21	14	14	13	1	43		-6		22
25	17	19	28	*28	7	1	32		-4		25
31	26	16	14	10	*32	2	38		-6		31
34	17	21	*27	20	11	4	29		-2		34
39	17	19	26	*16	15	7	13		3		39
Avg. % Correct	32%						37%				

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

Item Number	Percent of report group selecting each option, by response position						REFERENCE group percentage	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>Plane Geometry</b>											
5	9	*72	5	12	1	0	72		0		5
6	3	3	*66	22	6	0	68		-2		6
7	6	19	7	14	*54	0	67	-13			7
16	16	20	*45	11	8	0	51		-6		16
20	11	*42	13	24	10	0	50		-8		20
23	10	11	15	*41	22	1	46		-5		23
28	*29	12	26	23	9	1	38		-9		28
29	14	21	*31	23	10	2	37		-6		29
32	*24	30	22	13	9	3	22		2		32
33	21	26	18	9	*23	3	27		-4		33
38	13	16	29	*22	14	6	20		2		38
Avg. % Correct	41%						45%				

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

Item Number	Percent of report group selecting each option, by response position					REFERENCE group percentage	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	25	*49	6	20	0	51		-2		1
2	*58	13	16	13	0	60		-2		2
3	11	14	*65	10	0	70		-5		3
4	7	21	*60	12	0	67		-7		4
5	11	13	8	*68	0	74		-6		5
6	11	31	19	*38	0	44		-6		6
7	*35	13	38	15	0	38		-3		7
8	19	20	11	*51	0	57		-6		8
Avg. % Correct	53%					58%				
<b>Social Science</b>										
9	18	*44	20	18	0	46		-2		9
10	13	14	*55	18	0	59		-4		10
11	*44	23	19	14	0	45		-1		11
12	*48	20	12	20	0	51		-3		12
13	20	25	*43	12	1	45		-2		13
14	20	19	23	*38	1	42		-4		14
15	18	14	*51	16	1	56		-5		15
16	24	*42	20	13	1	45		-3		16
Avg. % Correct	46%					49%				
<b>Humanities</b>										
17	10	14	24	*49	2	52		-3		17
18	25	20	15	*38	2	35		3		18
19	21	15	*50	10	3	49		1		19
20	*43	17	14	22	4	40		3		20
21	20	24	29	*22	4	21		1		21
22	15	17	16	*47	5	44		3		22
23	18	29	*31	17	6	26		5		23
24	*38	25	14	16	6	35		3		24
25	14	*28	27	25	6	25		3		25
Avg. % Correct	38%					36%				

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

Item Number	Percent of report group selecting each option, by response position					REFERENCE group percentage	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: Earth/Space Science</b>										
26	30	19	18	*31	2	33		-2		26
27	*37	23	24	13	3	37		0		27
28	26	*32	25	14	3	32		0		28
29	19	27	*33	17	4	30		3		29
30	20	26	26	*23	4	21		2		30
Avg. % Correct	31%					31%				
<b>Data Representation: Biology</b>										
1	5	8	12	*75	0	76		-1		1
2	6	*71	14	8	0	77		-6		2
3	*77	7	11	5	0	82		-5		3
4	*72	10	11	7	0	77		-5		4
5	12	36	14	*38	0	39		-1		5
Avg. % Correct	67%					70%				
<b>Research Summaries: Chemistry</b>										
12	16	*52	13	18	1	60		-8		12
13	15	*49	12	23	0	53		-4		13
14	11	12	22	*54	0	59		-5		14
15	*40	22	27	10	0	45		-5		15
16	22	*43	15	18	1	47		-4		16
17	22	25	*37	16	1	38		-1		17
18	29	24	*31	16	1	32		-1		18
Avg. % Correct	44%					48%				
<b>Research Summaries: Biology</b>										
19	*63	21	10	6	1	65		-2		19
20	15	17	*56	12	1	59		-3		20
21	*41	23	18	17	1	43		-2		21
22	*39	20	22	19	1	41		-2		22
23	19	*35	30	14	2	36		-1		23
24	21	23	*34	20	2	34		0		24
25	27	33	*28	10	2	27		1		25
Avg. % Correct	42%					44%				
<b>Conflicting Viewpoints: Physics</b>										
6	11	9	11	*69	0	75		-6		6
7	12	*48	16	24	0	56		-8		7
8	24	*47	17	12	0	50		-3		8
9	20	27	*41	11	0	47		-6		9
10	22	24	23	*30	0	33		-3		10
11	*41	28	18	13	0	44		-3		11
Avg. % Correct	46%					51%				