



Complete

Adopt

Plan

Administer

Finalize

INTERPRET

Implement

FORM E

Content Classifications Guide

LEVELS **15-17/18**



FORM E COMPLETE LEVELS 15-17/18
Content Classifications
Guide

Developed at The University of Iowa by

Iowa Testing Programs

Acknowledgments

Photographs

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HOUGHTON MIFFLIN HARCOURT

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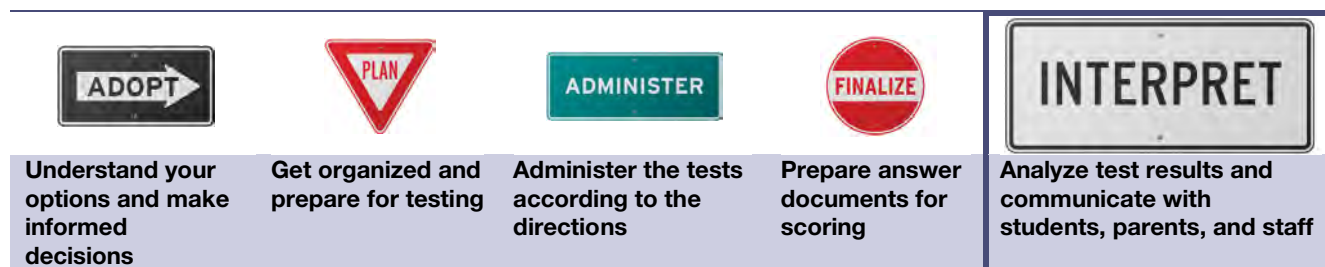
About This Guide

Purpose

The *Content Classifications Guide* contains content classifications and fall, midyear, and spring item norms for *Iowa Assessments*™ Form E, Levels 15–17/18 Complete and Core.

How to Use This Guide

This guide focuses on activities that occur in the Interpret phase of the assessment life cycle.



Getting More Help

If you need help beyond the information provided in this guide, please make use of the following resources:

- Your Riverside Assessment Consultant Executive
- Riverside Customer Service
E-mail: RPC_Customer_Service@hmhpub.com
TEL: 1-800-323-9540

About Content Classifications

Knowing the level of a student's progress toward major educational objectives is the first step in interpreting student performance. Whereas student scores on the individual tests of the *Iowa Assessments* provide an **overall** view of educational achievement, evaluating performance on groups of items classified into skill domains provides a **detailed** look at the student's progress toward meeting these objectives.

Classification Systems

To facilitate interpretation of student performance, this guide classifies and groups items on each test in terms of skill domains. Some items are classified by both skill domain and cognitive level; others are classified only by skill domain.

- Skill domains are skills that relate specifically to the subject being assessed. For example, skill domains for the Mathematics test are Number Sense and Operations; Algebraic Patterns and Connections; Data Analysis, Probability, and Statistics; Geometry; and Measurement.
- Cognitive levels provide a hierarchy of thinking skills. The three cognitive levels are as follows:

Level 1 – Essential Competencies: Recall of information such as fact, definition, term, or simple one-step procedure.

Level 2 – Conceptual Understanding: Includes the engagement of some cognitive processing beyond recalling or reproducing a response. A conceptual understanding item requires students to make some decisions about how to approach the problem or activity and may imply more than a single step.

Level 3 – Extended Reasoning: Requires problem solving, planning, and/or using evidence. Items require students to develop a strategy to connect and relate ideas in order to solve the problem while using multiple steps and drawing upon a variety of skills.

Item Norms (Average Percent Correct)

The data for each test, main domain category, and individual question are presented in terms of average percent correct for students tested nationally in the fall, at midyear, and in the spring. These norms were established through the national standardization of Form E. The median empirical norms date for fall testing is November 1, 2010, and the median empirical norms date for spring testing is April 1, 2011. The norms for midyear were established by interpolation.

These item norms show how easy or difficult the items are in each test for each grade.

- Easy items are used to discriminate among the least-able students.
- Average items are used to discriminate among students at all levels of ability.
- Difficult items are used to discriminate among the highest-performing students.

The following table provides a guideline for interpreting test/domain/item difficulty.

Average Percent Correct	Item Difficulty
Above 90	Very easy
80–90	Easy
70–79	Fairly easy
50–69	Average difficulty
30–49	Difficult
Below 30	Very difficult

Use this guide to complete further diagnostic investigation by examining the student's individual test questions and errors. In addition, this guide identifies how difficult each item was for the national standardization group.

How to Read the Tables

The following graphic identifies information consistent across the *Iowa Assessments* content classification tables.

1	Level 15–Mathematics	Total Items Item Number	Average Percent Correct		
			Grade 9 Fall	Grade 9 Midyear	Grade 9 Spring
		40	40	42	44
	2	10	42	44	46
		3	57	57	57
		9	35	36	36
		13	32	33	33
		16	52	53	6
		19	35	37	38
		21	66	68	71
		28	44	48	52
		30	43	47	50
		36	26	28	29
		38	27	32	36
		10	34	35	36
		2	60	61	61
		8	30	30	30
		10	54	56	57
		15	22	22	22
		17	24	24	24
		24	28	28	29
		31	29	30	32
		35	25	26	26
		37	38	41	45
		39	28	32	36

- ① **Test Level and Name** – Provides the level and name of the test.
- ② **Skill Domain** – Indicates grouping of items in terms of skill domains.
- ③ **Total Items** – Identifies the total number of items for the test and each skill domain and can be used to determine the relative weight given to each domain (for example, 8 of 54 Written Expression questions are Usage and Grammar).
- ④ **Item Descriptor** – Describes the skill measured by each question.
- ⑤ **Item Number** – Identifies the number of each individual question as it appears in the test booklet.
- ⑥ **Average Percent Correct** – Contains the fall, midyear, and spring item norms, or average percent correct, for individual test questions.

Part 3

Tables

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Level 15

Level 15–Reading	Total Items Item Number	Average Percent Correct		
		Grade 9 Fall	Grade 9 Midyear	Grade 9 Spring
	40	55	57	58
Vocabulary	4	57	59	61
Use context to determine meaning	4	78	79	81
Use context to determine meaning	16	52	54	55
Use context to determine meaning	22	57	58	60
Use context to determine meaning	36	41	43	46
Explicit Meaning	7	55	57	59
Recognize stated information	1	72	72	72
Recognize stated information	5	81	81	81
Recognize stated information	28	62	64	66
Recognize stated information	33	45	48	51
Understand stated information	34	48	52	55
Understand stated information	37	38	41	44
Recognize stated information	38	37	39	42
Implicit Meaning	10	57	59	61
Draw conclusions or make inferences	9	66	66	66
Draw conclusions or make inferences	10	60	61	61
Discern traits, feelings, or motives	13	76	76	76
Discern traits, feelings, or motives	17	70	72	74
Draw conclusions or make inferences	23	64	66	68
Draw conclusions or make inferences	27	53	54	56
Draw conclusions or make inferences	30	55	57	59
Discern traits, feelings, or motives	35	43	48	52
Draw conclusions or make inferences	39	39	42	45
Draw conclusions or make inferences	40	40	44	49
Key Ideas	9	51	52	53
Identify central ideas and their support	2	70	70	70
Identify central ideas and their support	3	71	71	71
Connect or extend ideas	6	40	41	42
Identify central ideas and their support	11	59	59	59
Identify central ideas and their support	15	29	30	30
Identify central ideas and their support	19	55	55	56
Synthesize or summarize information	24	55	57	60
Connect or extend ideas	25	49	49	49
Identify central ideas and their support	29	32	34	36
Author's Craft	10	58	59	60
Identify purpose or viewpoint; distinguish fact from opinion	7	75	75	75
Identify purpose or viewpoint; distinguish fact from opinion	8	72	73	73
Interpret nonliteral language	12	70	71	72
Understand text features, structures, style, or tone	14	49	49	49
Understand text features, structures, style, or tone	18	59	61	63
Interpret nonliteral language	20	66	68	70
Understand text features, structures, style, or tone	21	52	55	57
Interpret nonliteral language	26	39	40	41
Understand literary devices and elements	31	52	53	55
Understand text features, structures, style, or tone	32	43	45	47

Level 15–Written Expression	Total Items Item Number	Average Percent Correct		
		Grade 9 Fall	Grade 9 Midyear	Grade 9 Spring
		54	51	53
Usage & Grammar	8	48	49	49
Verb forms & agreement	10	58	58	58
Modifiers	12	65	65	65
Pronouns/plural nouns	17	40	40	40
Verb forms & agreement	21	44	44	44
Verb forms & agreement	26	43	45	46
Pronouns/plural nouns	27	69	71	73
Verb forms & agreement	34	25	25	25
Pronouns/plural nouns	36	41	41	41
Sentence Structure	14	52	53	54
Combining sentences	4	60	60	60
Complete sentences	14	50	50	50
Modifier placement	15	51	51	51
Coordination/subordination	22	67	68	69
Complete sentences	23	65	65	66
Complete sentences	24	54	54	54
Complete sentences	28	32	32	32
Parallel constructions	30	64	64	64
Combining sentences	32	48	48	48
Complete sentences	35	51	51	51
Complete sentences	46	41	44	48
Parallel constructions	47	43	46	49
Modifier placement	49	53	57	61
Combining sentences	52	42	45	47
Planning & Organization	11	47	48	49
Logic and coherence	1	73	73	73
Relevance of ideas	9	48	49	49
Logic and coherence	16	60	60	60
Research	37	57	57	57
Relevance of ideas	38	36	36	36
Logic and coherence	39	41	43	45
Logic and coherence	40	33	33	34
Logic and coherence	41	39	40	42
Relevance of ideas	45	48	51	55
Research	53	45	50	55
Research	54	33	35	36
Appropriate Expression	11	53	55	57
Word choice/language suited to purpose	2	79	79	79
Conciseness	3	39	39	39
Word choice/language suited to purpose	6	72	75	77
Conciseness	7	48	49	50
Unambiguous references	8	58	58	58
Conciseness	19	62	63	64
Word choice/language suited to purpose	25	37	38	38
Word choice/language suited to purpose	42	55	59	62
Word choice/language suited to purpose	43	40	42	44
Word choice/language suited to purpose	44	51	55	60
Conciseness	48	47	50	52

Level 15–Written Expression, <i>continued</i>	Total Items Item Number	Average Percent Correct		
		Grade 9 Fall	Grade 9 Midyear	Grade 9 Spring
	54	51	53	54
Mechanics	10	57	59	60
Spelling	5	65	66	68
Punctuation	11	67	67	67
Punctuation	13	47	48	48
Spelling	18	63	63	63
Punctuation	20	56	57	59
Punctuation	29	65	66	68
Punctuation	31	51	53	54
Capitalization	33	50	50	50
Spelling	50	56	60	64
Spelling	51	53	57	61

Level 15–Mathematics	Total Items Item Number	Average Percent Correct		
		Grade 9 Fall	Grade 9 Midyear	Grade 9 Spring
	40	40	42	44
Number Sense & Operations	10	42	44	46
Demonstrate ways of performing operations	3	57	57	57
Represent, compare, and order numbers	9	35	36	36
Describe and apply properties of numbers	13	32	33	33
Demonstrate ways of performing operations	16	52	53	55
Estimate and round real numbers	19	35	37	38
Demonstrate ways of performing operations	21	66	68	71
Represent, compare, and order numbers	28	44	48	52
Demonstrate ways of performing operations	30	43	47	50
Describe and apply properties of numbers	36	26	28	29
Estimate and round real numbers	38	27	32	36
Algebraic Patterns & Connections	10	34	35	36
Solve equations/inequalities	2	60	61	61
Explore numerical patterns	8	30	30	30
Use and interpret operational and relational symbols	10	54	56	57
Use expressions and equations to model situations	15	22	22	22
Apply functional relationships	17	24	24	24
Use expressions and equations to model situations	24	26	28	29
Apply functional relationships	31	29	30	32
Solve equations/inequalities	35	25	26	26
Use and interpret operational and relational symbols	37	38	41	45
Use and interpret operational and relational symbols	39	28	32	36
Data Analysis, Probability, & Statistics	6	54	56	59
Apply probability concepts and counting rules	1	79	80	81
Interpret data and make predictions	5	76	76	76
Interpret data and make predictions	18	50	51	53
Interpret data and make predictions	26	44	49	54
Understand and apply measures of central tendency and variability	32	29	31	33
Interpret data and make predictions	33	43	49	55
Geometry	8	34	35	36
Estimate geometric measurements	6	54	56	57
Describe geometric properties, patterns, and relationships	7	49	50	50
Apply concepts of perimeter, area, and volume	12	22	22	22
Describe geometric properties, patterns, and relationships	20	33	33	33
Apply concepts of perimeter, area, and volume	25	30	30	30
Describe geometric properties, patterns, and relationships	27	41	44	46
Identify, classify, and compare geometric figures	34	24	28	32
Describe geometric properties, patterns, and relationships	40	17	18	18
Measurement	6	45	47	49
Measure length/distance, time, temperature, weight, mass, and volume	4	34	34	34
Understand and apply rate	11	48	49	50
Estimate measurements with appropriate precision	14	25	25	25
Measure length/distance, time, temperature, weight, mass, and volume	22	46	47	47
Understand and apply rate	23	60	63	66
Understand and apply rate	29	59	65	70

Level 15–Science	Total Items Item Number	Average Percent Correct		
		Grade 9 Fall	Grade 9 Midyear	Grade 9 Spring
	48	43	44	45
Life Science	21	47	48	49
Organisms & their habitats	4	44	46	48
Organisms & their habitats	6	43	43	43
Organisms & their habitats	7	54	54	54
Organisms & their habitats	8	49	49	49
Human body, health, & safety	9	52	54	55
Human body, health, & safety	10	35	36	38
Human body, health, & safety	11	51	53	55
Organisms & their habitats	12	36	38	39
Interactions in an ecosystem	14	51	53	56
Changes in organisms	15	73	74	75
Interactions in an ecosystem	18	43	44	45
Human body, health, & safety	19	47	48	49
Organisms & their habitats	20	43	44	45
Organisms & their habitats	24	27	27	27
Organisms & their habitats	25	60	61	61
Organisms & their habitats	26	42	42	43
Organisms & their habitats	27	36	36	36
Interactions in an ecosystem	28	41	41	41
Organisms & their habitats	29	52	54	55
Organisms & their habitats	30	55	58	61
Organisms & their habitats	33	52	54	56
Earth & Space Science	9	36	37	39
Climate & weather	31	62	64	66
Climate & weather	32	47	50	52
Structure of Earth	42	30	31	33
Structure of Earth	43	29	30	31
Natural events	44	30	31	32
Structure of Earth	45	32	34	35
Structure of Earth	46	28	29	31
Natural events	47	36	36	37
Structure of Earth	48	30	31	32
Physical Science	18	42	43	44
Types & properties of matter	1	49	52	54
Forms of & changes in energy	2	45	45	45
Types & properties of matter	3	53	54	55
Forces & motion	5	57	59	61
Types & properties of matter	13	39	41	43
Types & properties of matter	16	42	43	44
Forces & motion	17	52	55	57
Forms of & changes in energy	21	46	47	47
Forms of & changes in energy	22	44	46	48
Forms of & changes in energy	23	46	47	48
Types & properties of matter	34	28	29	30
Types & properties of matter	35	39	40	42
Types & properties of matter	36	30	30	30
Types & properties of matter	37	39	40	42
Types & properties of matter	38	23	23	23
Types & properties of matter	39	40	41	42
Types & properties of matter	40	37	38	40
Types & properties of matter	41	38	40	41

Level 15–Social Studies	Total Items Item Number	Average Percent Correct		
		Grade 9 Fall	Grade 9 Midyear	Grade 9 Spring
	50	39	40	41
History	15	37	38	39
Culture & tradition	3	35	37	39
Historical research methods	17	38	39	40
Historical issues	19	37	37	37
Culture & tradition	23	40	41	41
Historical research methods	24	29	30	30
Change & chronology	25	27	28	28
Change & chronology	26	27	28	29
Change & chronology	27	45	45	45
Change & chronology	32	56	57	59
Change & chronology	33	32	35	37
Change & chronology	35	26	26	26
Historical research methods	36	43	47	50
Change & chronology	37	40	42	43
Historical issues	38	33	35	38
Historical issues	39	42	43	44
Geography	10	36	38	39
Earth's features	4	28	29	29
Earth's features	5	50	51	52
Earth's features	29	31	32	33
People & the environment	40	24	25	25
People & the environment	41	39	41	42
People & the environment	42	29	31	32
People & the environment	43	42	45	47
People & the environment	44	39	41	42
People & the environment	45	35	37	40
People & the environment	46	38	44	49
Economics	10	42	42	43
Economic issues & viewpoints	1	50	51	52
Economic issues & viewpoints	7	47	47	47
Economic principles	11	35	35	35
Economic principles	12	38	38	39
Economic issues & viewpoints	13	35	35	35
Economic issues & viewpoints	14	20	20	20
Economic principles	15	39	40	41
Economic issues & viewpoints	18	33	33	34
Economic issues & viewpoints	30	63	65	67
Economic issues & viewpoints	31	58	59	60
Civics & Government	15	40	42	43
Viewpoints & issues	2	50	52	54
Viewpoints & issues	6	45	47	48
Laws & principles of U.S. government	8	36	37	39
Social structures/government systems	9	54	56	58
Viewpoints & issues	10	32	34	35
Viewpoints & issues	16	33	34	34
Viewpoints & issues	20	56	57	58
Viewpoints & issues	21	54	54	55
Viewpoints & issues	22	52	52	52
Laws & principles of U.S. government	28	29	30	31
Laws & principles of U.S. government	34	36	37	38
Viewpoints & issues	47	38	42	45
Viewpoints & issues	48	38	41	45
Viewpoints & issues	49	25	26	27
Viewpoints & issues	50	26	27	28

Level 15–Vocabulary	Total Items Item Number	Average Percent Correct		
		Grade 9 Fall	Grade 9 Midyear	Grade 9 Spring
	40	48	51	53
Vocabulary	40	48	51	53
Verbs	1	61	63	66
Verbs	2	65	68	70
Modifiers	3	43	47	50
Verbs	4	60	62	65
Modifiers	5	62	64	66
Modifiers	6	52	52	52
Verbs	7	58	61	64
Modifiers	8	58	61	63
Nouns	9	58	60	62
Verbs	10	44	46	47
Modifiers	11	63	65	66
Nouns	12	45	47	49
Modifiers	13	53	54	56
Verbs	14	51	53	55
Nouns	15	60	61	63
Modifiers	16	53	57	60
Modifiers	17	42	44	46
Nouns	18	33	34	35
Modifiers	19	64	64	65
Modifiers	20	43	47	51
Modifiers	21	46	50	55
Modifiers	22	54	56	59
Nouns	23	42	46	51
Verbs	24	49	50	52
Nouns	25	42	45	49
Modifiers	26	28	30	32
Nouns	27	54	55	57
Verbs	28	53	56	60
Nouns	29	37	37	38
Verbs	30	39	39	40
Modifiers	31	37	40	43
Modifiers	32	31	33	35
Verbs	33	38	41	44
Nouns	34	47	50	53
Modifiers	35	30	32	34
Modifiers	36	46	47	48
Modifiers	37	50	55	61
Nouns	38	44	46	48
Modifiers	39	47	50	52
Modifiers	40	51	54	57

Level 15–Computation	Total Items Item Number	Average Percent Correct		
		Grade 9 Fall	Grade 9 Midyear	Grade 9 Spring
		44	46	47
Integers	6	61	62	64
Add/subtract integers	1	86	88	89
Multiply/divide integers	8	54	54	54
Add/subtract integers	12	68	70	73
Multiply/divide integers	14	65	67	69
Multiply/divide integers	16	64	64	65
Multiply/divide integers	21	31	31	31
Decimals/Percents	8	46	47	48
Operations with decimals	2	61	61	61
Operations with percents	3	48	50	51
Operations with decimals	10	54	55	56
Operations with percents	11	41	42	44
Operations with decimals	18	53	53	53
Operations with percents	23	47	48	49
Operations with decimals	25	28	31	33
Operations with decimals	27	35	36	36
Fractions	5	29	30	31
Operations with mixed numbers	5	39	40	42
Operations with simple fractions	13	38	40	42
Operations with mixed numbers	19	22	22	23
Operations with mixed numbers	24	24	24	24
Operations with mixed numbers	28	22	23	24
Algebraic Manipulations	11	40	42	44
Simplify/evaluate an expression	4	43	47	50
Simplify/evaluate an expression	6	32	37	42
Simplify/evaluate an expression	7	54	55	56
Simplify/evaluate an expression	9	44	46	47
Solve for a variable	15	28	30	32
Solve for a variable	17	54	54	55
Solve for a variable	20	22	25	27
Simplify/evaluate an expression	22	51	51	51
Simplify/evaluate an expression	26	49	50	50
Simplify/evaluate an expression	29	50	53	56
Simplify/evaluate an expression	30	16	19	22

Level 16

Level 16–Reading	Total Items Item Number	Average Percent Correct		
		Grade 10 Fall	Grade 10 Midyear	Grade 10 Spring
	40	55	56	57
Vocabulary	5	52	54	56
Use context to determine meaning	5	61	63	65
Use context to determine meaning	11	52	54	57
Use context to determine meaning	13	46	48	50
Use context to determine meaning	20	55	55	56
Use context to determine meaning	37	48	50	52
Explicit Meaning	5	59	60	60
Recognize stated information	9	62	63	64
Recognize stated information	17	63	63	63
Understand stated information	18	66	66	66
Understand stated information	21	53	54	55
Recognize stated information	22	52	53	54
Implicit Meaning	10	53	55	56
Draw conclusions or make inferences	6	75	75	75
Draw conclusions or make inferences	12	50	51	52
Discern traits, feelings, or motives	19	57	58	60
Draw conclusions or make inferences	23	53	53	53
Draw conclusions or make inferences	24	52	54	55
Discern traits, feelings, or motives	26	53	55	57
Discern traits, feelings, or motives	29	56	58	60
Draw conclusions or make inferences	35	48	51	53
Draw conclusions or make inferences	38	46	50	53
Draw conclusions or make inferences	39	39	42	44
Key Ideas	9	55	56	57
Identify central ideas and their support	2	64	64	64
Synthesize or summarize information	7	63	63	63
Connect or extend ideas	8	57	57	57
Synthesize or summarize information	14	60	61	61
Identify central ideas and their support	15	49	49	49
Connect or extend ideas	16	66	66	66
Identify central ideas and their support	32	50	53	55
Synthesize or summarize information	34	44	47	49
Synthesize or summarize information	36	41	44	48
Author's Craft	11	55	56	57
Understand text features, structures, style, or tone	1	68	68	69
Interpret nonliteral language	3	78	78	78
Understand text features, structures, style, or tone	4	63	63	63
Understand text features, structures, style, or tone	10	42	42	42
Understand text features, structures, style, or tone	25	54	56	57
Understand literary devices and elements	27	48	49	49
Interpret nonliteral language	28	50	51	53
Understand literary devices and elements	30	47	49	50
Understand text features, structures, style, or tone	31	61	63	65
Understand text features, structures, style, or tone	33	44	46	49
Understand text features, structures, style, or tone	40	46	49	53

Level 16–Written Expression	Total Items Item Number	Average Percent Correct		
		Grade 10 Fall	Grade 10 Midyear	Grade 10 Spring
		54	52	53
Usage & Grammar	9	47	48	49
Pronouns/plural nouns	1	42	43	43
Verb forms & agreement	5	46	47	47
Verb forms & agreement	10	48	49	50
Commonly confused words	11	50	50	51
Pronouns/plural nouns	16	58	59	59
Modifiers	27	56	56	57
Commonly confused words	31	61	63	64
Verb forms & agreement	47	25	25	26
Pronouns/plural nouns	49	41	41	41
Sentence Structure	16	54	55	56
Coordination/subordination	6	72	72	72
Complete sentences	7	71	71	71
Complete sentences	8	58	59	60
Complete sentences	13	55	57	58
Parallel constructions	15	54	55	56
Parallel constructions	18	69	69	70
Modifier placement	20	40	41	43
Complete sentences	28	44	45	46
Combining sentences	29	50	50	51
Modifier placement	32	58	61	64
Complete sentences	33	49	49	50
Parallel constructions	36	47	47	48
Complete sentences	40	32	32	33
Parallel constructions	42	64	64	65
Combining sentences	44	48	49	50
Complete sentences	48	51	51	51
Planning & Organization	13	47	49	51
Logic and coherence	17	45	46	48
Logic and coherence	22	54	55	56
Research	23	39	42	46
Research	24	67	68	69
Logic and coherence	25	37	39	41
Logic and coherence	34	34	37	40
Logic and coherence	37	55	57	59
Research	38	51	54	57
Logic and coherence	39	58	60	62
Research	51	57	57	57
Relevance of ideas	52	36	36	36
Logic and coherence	53	45	47	49
Logic and coherence	54	34	36	38
Appropriate Expression	8	53	55	56
Conciseness	3	68	68	69
Word choice/language suited to purpose	9	42	44	45
Conciseness	12	56	57	59
Unambiguous references	19	57	57	57
Word choice/language suited to purpose	21	72	72	72
Word choice/language suited to purpose	26	63	64	64
Conciseness	45	44	48	52
Word choice/language suited to purpose	50	25	28	31

Level 16–Written Expression, <i>continued</i>	Total Items Item Number	Average Percent Correct		
		Grade 10 Fall	Grade 10 Midyear	Grade 10 Spring
	54	52	53	54
Mechanics	8	58	59	59
Spelling	2	63	63	63
Punctuation	4	61	61	61
Spelling	14	60	61	63
Spelling	30	59	60	61
Spelling	35	47	48	49
Punctuation	41	68	68	68
Punctuation	43	54	57	59
Capitalization	46	50	50	50

Level 16–Mathematics	Total Items Item Number	Average Percent Correct		
		Grade 10 Fall	Grade 10 Midyear	Grade 10 Spring
		40	41	42
Number Sense & Operations	9	46	47	48
Demonstrate ways of performing operations	1	78	78	79
Represent, compare, and order numbers	8	57	58	60
Demonstrate ways of performing operations	10	60	60	60
Describe and apply properties of numbers	16	36	36	37
Estimate and round real numbers	18	43	45	48
Demonstrate ways of performing operations	21	45	46	47
Demonstrate ways of performing operations	23	37	38	39
Estimate and round real numbers	28	30	30	30
Represent, compare, and order numbers	34	29	32	35
Algebraic Patterns & Connections	11	39	40	41
Use expressions and equations to model situations	4	37	37	37
Apply functional relationships	11	43	43	43
Solve equations/inequalities	15	34	34	34
Use and interpret operational and relational symbols	17	61	61	61
Use and interpret operational and relational symbols	19	47	47	47
Use and interpret operational and relational symbols	24	40	42	43
Use and interpret operational and relational symbols	29	51	53	55
Use expressions and equations to model situations	30	30	31	33
Use expressions and equations to model situations	33	30	31	32
Solve equations/inequalities	37	30	31	33
Solve equations/inequalities	38	25	27	29
Data Analysis, Probability, & Statistics	7	40	42	43
Interpret data and make predictions	6	55	57	58
Understand and apply measures of central tendency and variability	12	36	37	39
Interpret data and make predictions	13	59	61	62
Interpret data and make predictions	22	49	50	52
Understand and apply measures of central tendency and variability	31	33	36	39
Interpret data and make predictions	32	30	32	34
Apply probability concepts and counting rules	40	16	18	20
Geometry	8	34	35	36
Apply concepts of perimeter, area, and volume	5	36	37	37
Describe geometric properties, patterns, and relationships	7	53	54	56
Identify, classify, and compare geometric figures	14	33	35	38
Describe geometric properties, patterns, and relationships	20	27	27	27
Describe geometric properties, patterns, and relationships	25	24	24	25
Apply concepts of perimeter, area, and volume	27	32	33	35
Describe geometric properties, patterns, and relationships	36	40	42	43
Apply concepts of perimeter, area, and volume	39	23	24	26
Measurement	5	51	52	53
Measure length/distance, time, temperature, weight, mass, and volume	2	53	53	54
Understand and apply rate	3	73	74	74
Understand and apply rate	9	74	75	76
Understand and apply rate	26	26	27	28
Estimate measurements with appropriate precision	35	28	29	31

Level 16–Science	Total Items Item Number	Average Percent Correct		
		Grade 10 Fall	Grade 10 Midyear	Grade 10 Spring
		48	44	45
Life Science	19	49	49	50
Interactions in an ecosystem	1	45	47	49
Human body, health, & safety	7	65	66	68
Changes in organisms	9	62	64	66
Changes in organisms	10	61	64	68
Human body, health, & safety	15	54	54	55
Human body, health, & safety	16	40	41	42
Human body, health, & safety	17	41	41	41
Human body, health, & safety	18	50	50	50
Human body, health, & safety	19	42	42	42
Human body, health, & safety	20	55	56	57
Organisms & their habitats	33	27	27	27
Organisms & their habitats	34	61	61	61
Organisms & their habitats	35	43	44	45
Organisms & their habitats	36	36	37	38
Interactions in an ecosystem	37	41	41	41
Organisms & their habitats	38	55	55	55
Organisms & their habitats	46	43	43	43
Organisms & their habitats	47	54	54	54
Organisms & their habitats	48	49	49	49
Earth & Space Science	11	39	41	43
Natural resources	21	60	62	64
Natural events	22	48	49	50
Natural events	23	53	54	56
Natural resources	24	38	39	41
Structure of Earth	39	33	34	35
Structure of Earth	40	31	33	35
Natural events	41	36	37	38
Structure of Earth	42	35	37	39
Structure of Earth	43	31	32	34
Natural events	44	37	39	42
Structure of Earth	45	32	34	36
Physical Science	18	42	43	44
Physical & chemical changes	2	40	42	43
Forms of & changes in energy	3	45	47	48
Physical & chemical changes	4	56	57	59
Forces & motion	5	36	37	39
Types & properties of matter	6	45	46	48
Forms of & changes in energy	8	34	34	35
Forces & motion	11	40	42	44
Forces & motion	12	65	67	68
Forces & motion	13	63	64	65
Forces & motion	14	40	41	42
Forces & motion	25	36	37	39
Types & properties of matter	26	30	31	33
Types & properties of matter	27	42	43	44
Types & properties of matter	28	33	33	33
Types & properties of matter	29	42	43	45
Types & properties of matter	30	25	25	26
Types & properties of matter	31	43	43	44
Types & properties of matter	32	41	42	42

Level 16–Social Studies	Total Items Item Number	Average Percent Correct		
		Grade 10 Fall	Grade 10 Midyear	Grade 10 Spring
		50	41	42
History	13	41	41	43
Historical issues	8	39	39	40
Historical issues	17	45	46	48
Change & chronology	26	51	53	55
Historical research methods	27	37	37	38
Change & chronology	29	27	28	29
Historical issues	30	32	32	33
Change & chronology	32	59	60	61
Change & chronology	33	37	38	39
Change & chronology	35	26	28	30
Historical research methods	36	50	50	50
Change & chronology	37	43	44	44
Historical issues	38	38	39	40
Historical issues	39	44	45	46
Geography	9	39	41	42
Earth's features	1	16	16	16
People & the environment	19	48	49	51
People & the environment	20	44	47	49
People & the environment	21	60	63	65
People & the environment	22	36	37	39
People & the environment	40	27	30	32
People & the environment	41	43	44	44
People & the environment	42	33	34	35
People & the environment	43	47	48	50
Economics	11	43	44	45
Economic issues & viewpoints	3	47	47	47
Economic issues & viewpoints	4	46	47	48
Economic issues & viewpoints	5	44	45	47
Economic principles	9	35	36	38
Economic issues & viewpoints	10	69	70	71
Economic issues & viewpoints	11	66	67	67
Economic principles	12	39	39	40
Economic issues & viewpoints	13	35	35	36
Economic issues & viewpoints	14	20	20	20
Economic principles	15	41	43	45
Economic issues & viewpoints	18	33	36	38
Civics & Government	17	40	41	42
Laws & principles of U.S. government	2	48	49	50
Viewpoints & issues	6	47	48	50
Viewpoints & issues	7	34	35	36
Viewpoints & issues	16	35	37	39
Viewpoints & issues	23	58	58	58
Viewpoints & issues	24	55	55	56
Viewpoints & issues	25	52	53	54
Rights & responsibilities	28	31	32	33
Rights & responsibilities	31	42	42	43
Laws & principles of U.S. government	34	38	39	39
Viewpoints & issues	44	38	39	41
Viewpoints & issues	45	31	32	32
Viewpoints & issues	46	40	41	42
Viewpoints & issues	47	28	29	30
Viewpoints & issues	48	38	40	41
Viewpoints & issues	49	28	29	30
Viewpoints & issues	50	38	39	40

Level 16–Vocabulary	Total Items Item Number	Average Percent Correct		
		Grade 10 Fall	Grade 10 Midyear	Grade 10 Spring
	40	47	49	51
Vocabulary	40	47	49	51
Modifiers	1	55	57	59
Modifiers	2	59	60	61
Nouns	3	51	51	51
Verbs	4	54	56	57
Nouns	5	49	49	49
Modifiers	6	33	34	36
Nouns	7	60	61	63
Verbs	8	60	61	61
Nouns	9	42	43	43
Verbs	10	40	42	43
Modifiers	11	43	45	47
Modifiers	12	35	36	37
Verbs	13	46	49	51
Nouns	14	53	56	59
Modifiers	15	34	35	36
Modifiers	16	50	52	54
Modifiers	17	61	62	63
Nouns	18	51	51	52
Modifiers	19	55	57	58
Modifiers	20	60	60	61
Verbs	21	73	75	77
Modifiers	22	43	45	47
Verbs	23	65	67	70
Modifiers	24	45	47	49
Modifiers	25	52	54	56
Modifiers	26	60	63	66
Verbs	27	22	23	25
Modifiers	28	21	23	25
Modifiers	29	57	59	61
Verbs	30	32	35	38
Nouns	31	47	50	52
Modifiers	32	39	42	46
Nouns	33	37	38	40
Modifiers	34	44	50	55
Verbs	35	42	46	51
Modifiers	36	42	44	45
Nouns	37	46	49	52
Modifiers	38	37	39	42
Verbs	39	47	50	53
Nouns	40	27	29	30

Level 16–Computation	Total Items Item Number	Average Percent Correct		
		Grade 10 Fall	Grade 10 Midyear	Grade 10 Spring
		30	42	44
Integers	4	59	60	60
Add/subtract integers	1	77	78	78
Add/subtract integers	5	61	62	63
Multiply/divide integers	16	65	66	66
Multiply/divide integers	21	32	32	32
Decimals/Percents	8	45	46	47
Operations with decimals	4	68	69	70
Operations with decimals	6	47	48	50
Operations with percents	11	34	35	36
Operations with decimals	14	35	36	37
Operations with decimals	18	54	54	54
Operations with percents	23	52	53	54
Operations with decimals	25	33	34	34
Operations with decimals	27	36	38	40
Fractions	6	30	31	33
Operations with simple fractions	2	56	57	59
Operations with simple fractions	10	32	34	36
Operations with mixed numbers	15	22	23	24
Operations with mixed numbers	19	24	24	25
Operations with mixed numbers	24	24	25	26
Operations with mixed numbers	28	24	25	26
Algebraic Manipulations	12	41	43	44
Solve for a variable	3	40	41	42
Simplify/evaluate an expression	7	37	38	40
Simplify/evaluate an expression	8	52	54	55
Simplify/evaluate an expression	9	21	24	26
Simplify/evaluate an expression	12	38	40	43
Simplify/evaluate an expression	13	42	44	45
Solve for a variable	17	56	57	57
Solve for a variable	20	27	29	31
Simplify/evaluate an expression	22	51	53	54
Simplify/evaluate an expression	26	50	52	53
Simplify/evaluate an expression	29	57	58	58
Simplify/evaluate an expression	30	23	23	24

Level 17/18, Grade 11

Level 17/18–Reading	Total Items Item Number	Average Percent Correct		
		Grade 11 Fall	Grade 11 Midyear	Grade 11 Spring
	40	59	60	61
Vocabulary	3	63	65	66
Use context to determine meaning	1	82	84	85
Use context to determine meaning	19	57	58	58
Use context to determine meaning	21	50	52	54
Explicit Meaning	7	58	59	60
Recognize stated information	6	74	75	75
Recognize stated information	17	64	64	64
Recognize stated information	23	70	71	72
Understand stated information	27	51	53	55
Understand stated information	37	40	42	44
Understand stated information	38	51	53	56
Recognize stated information	40	53	55	57
Implicit Meaning	10	60	61	62
Discern traits, feelings, or motives	2	76	76	77
Draw conclusions or make inferences	3	66	67	68
Draw conclusions or make inferences	7	68	69	70
Discern traits, feelings, or motives	9	66	66	67
Discern traits, feelings, or motives	12	70	71	72
Draw conclusions or make inferences	20	52	52	52
Discern traits, feelings, or motives	26	63	64	65
Discern traits, feelings, or motives	28	53	55	56
Draw conclusions or make inferences	35	34	36	38
Draw conclusions or make inferences	36	50	52	54
Key Ideas	10	57	57	58
Identify central ideas and their support	5	60	61	62
Identify central ideas and their support	15	65	65	65
Synthesize or summarize information	22	61	62	62
Identify central ideas and their support	24	49	49	49
Connect or extend ideas	25	72	72	72
Identify central ideas and their support	29	52	53	54
Identify central ideas and their support	30	47	48	49
Synthesize or summarize information	32	52	53	54
Connect or extend ideas	33	55	56	58
Identify central ideas and their support	39	52	54	57
Author's Craft	10	62	63	63
Identify purpose or viewpoint; distinguish fact from opinion	4	81	82	83
Understand text features, structures, style, or tone	8	70	71	72
Understand literary devices and elements	10	60	60	60
Interpret nonliteral language	11	63	64	65
Understand literary devices and elements	13	57	57	57
Understand text features, structures, style, or tone	14	76	77	78
Understand text features, structures, style, or tone	16	59	59	59
Understand text features, structures, style, or tone	18	42	42	43
Understand text features, structures, style, or tone	31	63	64	65
Interpret nonliteral language	34	47	49	51

Level 17/18–Written Expression	Total Items Item Number	Average Percent Correct		
		Grade 11 Fall	Grade 11 Midyear	Grade 11 Spring
		54	56	57
Usage & Grammar	10	55	56	57
Commonly confused words	1	51	52	53
Pronouns/plural nouns	6	69	69	69
Modifiers	16	64	64	64
Commonly confused words	20	68	68	68
Verb forms & agreement	34	49	50	51
Verb forms & agreement	35	47	48	49
Verb forms & agreement	40	52	55	57
Commonly confused words	43	46	47	49
Verb forms & agreement	46	53	55	57
Commonly confused words	52	49	52	55
Sentence Structure	15	56	56	57
Complete sentences	3	65	67	69
Parallel constructions	5	69	69	69
Parallel constructions	8	78	78	78
Modifier placement	10	49	50	51
Complete sentences	17	53	54	54
Combining sentences	18	60	60	60
Modifier placement	21	70	71	72
Complete sentences	22	60	61	61
Parallel constructions	25	57	57	57
Combining sentences	30	51	51	51
Complete sentences	36	40	42	44
Parallel constructions	41	38	38	38
Parallel constructions	49	49	50	51
Coordination/subordination	53	48	50	52
Combining sentences	54	46	48	50
Planning & Organization	14	53	55	56
Logic and coherence	7	49	51	52
Logic and coherence	11	65	67	68
Research	12	46	49	53
Research	13	76	77	77
Logic and coherence	14	42	44	47
Logic and coherence	23	42	43	44
Logic and coherence	26	66	66	67
Research	27	61	61	62
Logic and coherence	28	70	71	72
Logic and coherence	37	49	51	52
Logic and coherence	39	50	51	52
Research	44	38	41	44
Research	45	49	51	52
Relevance of ideas	51	38	40	41
Appropriate Expression	9	63	63	64
Conciseness	2	65	66	67
Unambiguous references	9	64	64	64
Word choice/language suited to purpose	15	71	71	71
Conciseness	29	67	67	68
Word choice/language suited to purpose	31	73	73	73
Word choice/language suited to purpose	32	69	69	70
Conciseness	33	61	63	64
Conciseness	42	45	45	45
Word choice/language suited to purpose	50	50	52	53

Level 17/18–Written Expression, <i>continued</i>	Total Items Item Number	Average Percent Correct		
		Grade 11 Fall	Grade 11 Midyear	Grade 11 Spring
	54	56	57	58
Mechanics	6	52	54	55
Spelling	4	63	64	65
Spelling	19	61	62	63
Spelling	24	56	57	58
Capitalization	38	48	49	50
Spelling	47	42	43	44
Punctuation	48	44	46	49

Level 17/18–Mathematics	Total Items Item Number	Average Percent Correct		
		Grade 11 Fall	Grade 11 Midyear	Grade 11 Spring
	40	38	39	40
Number Sense & Operations	8	41	43	44
Demonstrate ways of performing operations	1	53	55	56
Demonstrate ways of performing operations	3	44	46	48
Estimate and round real numbers	8	36	36	37
Represent, compare, and order numbers	14	38	41	44
Describe and apply properties of numbers	22	48	48	49
Demonstrate ways of performing operations	29	37	39	40
Demonstrate ways of performing operations	31	42	44	46
Estimate and round real numbers	40	29	31	33
Algebraic Patterns & Connections	12	40	41	42
Use and interpret operational and relational symbols	4	49	50	50
Use and interpret operational and relational symbols	9	60	61	62
Use expressions and equations to model situations	10	38	38	38
Use expressions and equations to model situations	13	32	32	32
Solve equations/inequalities	17	41	42	43
Solve equations/inequalities	18	35	37	39
Use and interpret operational and relational symbols	24	46	47	48
Solve equations/inequalities	25	54	54	54
Apply functional relationships	32	32	34	37
Solve equations/inequalities	34	33	34	35
Use expressions and equations to model situations	36	36	36	36
Solve equations/inequalities	38	25	28	31
Data Analysis, Probability, & Statistics	8	35	36	38
Interpret data and make predictions	2	55	56	58
Understand and apply measures of central tendency and variability	11	42	45	48
Interpret data and make predictions	12	38	40	41
Apply probability concepts and counting rules	20	23	24	25
Interpret data and make predictions	28	33	35	37
Interpret data and make predictions	30	28	28	28
Apply probability concepts and counting rules	35	32	34	36
Interpret data and make predictions	37	28	29	30
Geometry	8	36	37	38
Describe geometric properties, patterns, and relationships	5	31	32	32
Apply concepts of perimeter, area, and volume	7	38	38	39
Describe geometric properties, patterns, and relationships	16	47	49	50
Apply concepts of perimeter, area, and volume	19	28	29	30
Describe geometric properties, patterns, and relationships	23	51	51	51
Apply concepts of perimeter, area, and volume	26	41	43	45
Apply concepts of perimeter, area, and volume	27	18	20	21
Describe geometric properties, patterns, and relationships	33	30	31	33
Measurement	4	36	38	39
Understand and apply rate	6	34	34	35
Estimate measurements with appropriate precision	15	34	36	37
Understand and apply rate	21	46	48	50
Measure length/distance, time, temperature, weight, mass, and volume	39	30	32	33

Level 17/18–Science	Total Items Item Number	Average Percent Correct		
		Grade 11 Fall	Grade 11 Midyear	Grade 11 Spring
	48	44	45	46
Life Science	20	46	47	47
Interactions in an ecosystem	5	50	51	52
Changes in organisms	6	28	30	32
Human body, health, & safety	10	70	70	70
Changes in organisms	12	68	68	68
Changes in organisms	13	68	68	68
Interactions in an ecosystem	14	41	43	44
Interactions in an ecosystem	15	36	37	38
Interactions in an ecosystem	16	47	48	50
Human body, health, & safety	18	47	47	48
Human body, health, & safety	28	55	55	55
Human body, health, & safety	29	42	42	42
Human body, health, & safety	30	41	43	44
Human body, health, & safety	31	50	50	50
Human body, health, & safety	32	42	42	42
Human body, health, & safety	33	57	58	59
Organisms & their habitats	34	40	41	42
Organisms & their habitats	35	37	37	37
Interactions in an ecosystem	36	28	30	32
Organisms & their habitats	37	40	41	43
Organisms & their habitats	38	28	30	31
Earth & Space Science	12	39	40	41
Natural resources	24	64	64	65
Natural events	25	51	52	53
Natural events	26	56	56	57
Natural resources	27	43	43	43
The universe	39	37	38	39
The universe	40	27	29	30
The universe	41	38	39	40
The universe	42	26	27	28
The universe	43	32	34	36
The universe	44	29	30	31
The universe	45	29	31	33
The universe	46	34	34	34
Physical Science	16	46	47	48
Physical & chemical changes	1	43	44	46
Physical & chemical changes	2	59	60	61
Scientific measurement	3	43	44	45
Forces & motion	4	40	40	41
Types & properties of matter	7	51	51	51
Physical & chemical changes	8	57	57	58
Physical & chemical changes	9	53	55	56
Forces & motion	11	41	42	42
Forms of & changes in energy	17	35	38	40
Forces & motion	19	44	46	47
Forces & motion	20	68	68	68
Forces & motion	21	65	66	66
Forces & motion	22	42	42	43
Types & properties of matter	23	21	24	26
Scientific measurement	47	34	37	39
Scientific measurement	48	34	37	39

Level 17/18–Social Studies	Total Items Item Number	Average Percent Correct		
		Grade 11 Fall	Grade 11 Midyear	Grade 11 Spring
	50	44	45	46
History	15	47	48	49
Historical issues	4	46	46	46
Historical issues	6	47	47	48
Historical issues	8	47	49	51
Historical issues	18	48	49	51
Change & chronology	20	59	60	61
Historical research methods	21	44	44	44
Change & chronology	23	34	34	34
Historical issues	24	38	38	38
Historical issues	32	57	57	58
Historical issues	34	53	54	55
Historical issues	35	57	58	59
Historical issues	36	43	43	44
Historical issues	37	50	52	54
Historical issues	38	57	59	61
Change & chronology	39	31	33	35
Geography	9	40	41	42
Earth's features	3	16	17	18
People & the environment	12	54	55	55
People & the environment	13	53	54	54
People & the environment	14	66	66	66
People & the environment	15	40	41	43
People & the environment	40	28	30	32
People & the environment	41	28	29	31
Earth's features	42	38	39	41
People & the environment	43	36	39	41
Economics	12	45	46	47
Economic issues & viewpoints	2	48	50	52
Economic issues & viewpoints	5	50	51	52
Economic issues & viewpoints	7	39	40	41
Economic issues & viewpoints	16	60	61	62
Economic principles	17	59	60	60
Work & workers	26	39	40	42
Economic principles	27	26	27	28
Economic issues & viewpoints	28	33	35	36
Economic principles	29	28	29	30
Economic principles	30	43	44	44
Economic issues & viewpoints	31	56	56	56
Economic issues & viewpoints	33	62	62	62
Civics & Government	14	44	44	45
Laws & principles of U.S. government	1	55	55	56
Viewpoints & issues	9	39	40	41
Rights & responsibilities	10	66	67	68
Rights & responsibilities	11	52	52	52
Viewpoints & issues	19	50	50	51
Rights & responsibilities	22	38	38	38
Rights & responsibilities	25	48	49	50
Viewpoints & issues	44	43	43	44
Viewpoints & issues	45	35	35	36
Viewpoints & issues	46	42	44	45
Viewpoints & issues	47	30	31	33
Viewpoints & issues	48	42	42	43
Viewpoints & issues	49	30	31	32
Viewpoints & issues	50	41	42	43

Level 17/18–Vocabulary	Total Items Item Number	Average Percent Correct		
		Grade 11 Fall	Grade 11 Midyear	Grade 11 Spring
	40	52	54	56
Vocabulary	40	52	54	56
Verbs	1	85	86	87
Modifiers	2	55	58	61
Verbs	3	78	80	81
Modifiers	4	60	61	62
Modifiers	5	62	62	62
Modifiers	6	72	73	75
Verbs	7	31	32	33
Modifiers	8	26	27	29
Modifiers	9	68	68	68
Verbs	10	44	46	49
Nouns	11	63	66	68
Modifiers	12	50	54	58
Nouns	13	48	49	50
Modifiers	14	55	60	65
Verbs	15	58	59	61
Modifiers	16	49	50	51
Nouns	17	55	57	59
Modifiers	18	48	49	51
Verbs	19	59	62	65
Nouns	20	36	37	38
Modifiers	21	65	67	68
Modifiers	22	50	52	54
Verbs	23	59	60	61
Modifiers	24	66	67	67
Modifiers	25	40	42	44
Modifiers	26	40	44	48
Nouns	27	65	66	67
Modifiers	28	48	48	48
Modifiers	29	54	54	55
Modifiers	30	49	51	53
Nouns	31	41	42	43
Modifiers	32	45	47	48
Modifiers	33	60	60	61
Modifiers	34	29	30	31
Nouns	35	61	63	65
Modifiers	36	55	57	59
Modifiers	37	35	36	38
Modifiers	38	34	36	38
Nouns	39	50	53	56
Modifiers	40	42	45	47

Level 17/18–Computation	Total Items Item Number	Average Percent Correct		
		Grade 11 Fall	Grade 11 Midyear	Grade 11 Spring
		51	52	53
Integers	4	62	62	63
Add/subtract integers	1	81	81	81
Add/subtract integers	5	67	67	67
Multiply/divide integers	22	55	55	56
Multiply/divide integers	27	44	46	48
Decimals/Percents	8	52	52	53
Operations with decimals	4	74	74	74
Operations with decimals	6	56	56	56
Operations with percents	11	40	42	43
Operations with decimals	14	40	41	41
Operations with decimals	17	56	56	56
Operations with decimals	20	52	52	52
Operations with percents	24	41	43	46
Operations with percents	28	54	55	57
Fractions	5	41	42	43
Operations with simple fractions	2	63	64	64
Operations with simple fractions	10	40	40	40
Operations with mixed numbers	15	27	29	30
Operations with simple fractions	18	50	50	51
Operations with simple fractions	29	27	29	31
Algebraic Manipulations	13	50	51	53
Solve for a variable	3	46	47	49
Simplify/evaluate an expression	7	44	45	46
Simplify/evaluate an expression	8	56	57	57
Simplify/evaluate an expression	9	30	30	31
Simplify/evaluate an expression	12	46	47	49
Simplify/evaluate an expression	13	52	54	55
Solve for a variable	16	75	75	75
Simplify/evaluate an expression	19	65	67	68
Simplify/evaluate an expression	21	58	60	62
Simplify/evaluate an expression	23	52	53	55
Simplify/evaluate an expression	25	55	57	58
Solve for a variable	26	30	31	33
Simplify/evaluate an expression	30	42	45	47

Level 17/18, Grade 12

Level 17/18–Reading	Total Items Item Number	Average Percent Correct		
		Grade 12 Fall	Grade 12 Midyear	Grade 12 Spring
	40	62	63	64
Vocabulary	3	66	67	68
Use context to determine meaning	1	85	86	87
Use context to determine meaning	19	58	60	62
Use context to determine meaning	21	56	56	56
Explicit Meaning	7	61	62	62
Recognize stated information	6	75	76	77
Recognize stated information	17	65	66	67
Recognize stated information	23	72	72	72
Understand stated information	27	57	58	58
Understand stated information	37	46	46	46
Understand stated information	38	56	56	56
Recognize stated information	40	57	58	59
Implicit Meaning	10	63	64	65
Discern traits, feelings, or motives	2	79	80	81
Draw conclusions or make inferences	3	70	72	73
Draw conclusions or make inferences	7	73	73	73
Discern traits, feelings, or motives	9	67	69	71
Discern traits, feelings, or motives	12	72	73	74
Draw conclusions or make inferences	20	53	54	54
Discern traits, feelings, or motives	26	65	66	67
Discern traits, feelings, or motives	28	56	57	58
Draw conclusions or make inferences	35	39	40	42
Draw conclusions or make inferences	36	55	56	56
Key Ideas	10	60	60	61
Identify central ideas and their support	5	64	65	66
Identify central ideas and their support	15	65	66	66
Synthesize or summarize information	22	62	63	65
Identify central ideas and their support	24	53	54	54
Connect or extend ideas	25	72	73	74
Identify central ideas and their support	29	56	57	58
Identify central ideas and their support	30	52	52	52
Synthesize or summarize information	32	55	56	57
Connect or extend ideas	33	60	60	60
Identify central ideas and their support	39	57	58	59
Author's Craft	10	65	65	66
Identify purpose or viewpoint; distinguish fact from opinion	4	85	86	87
Understand text features, structures, style, or tone	8	72	73	74
Understand literary devices and elements	10	61	62	62
Interpret nonliteral language	11	65	66	68
Understand literary devices and elements	13	60	60	60
Understand text features, structures, style, or tone	14	78	78	78
Understand text features, structures, style, or tone	16	61	62	63
Understand text features, structures, style, or tone	18	47	47	47
Understand text features, structures, style, or tone	31	65	66	68
Interpret nonliteral language	34	53	53	53

Level 17/18–Written Expression	Total Items Item Number	Average Percent Correct		
		Grade 12 Fall	Grade 12 Midyear	Grade 12 Spring
		54	59	60
Usage & Grammar	10	58	59	59
Commonly confused words	1	53	54	56
Pronouns/plural nouns	6	69	69	69
Modifiers	16	67	68	68
Commonly confused words	20	69	71	73
Verb forms & agreement	34	54	54	54
Verb forms & agreement	35	51	51	51
Verb forms & agreement	40	57	58	59
Commonly confused words	43	49	49	49
Verb forms & agreement	46	57	57	57
Commonly confused words	52	55	55	55
Sentence Structure	15	58	59	59
Complete sentences	3	70	72	74
Parallel constructions	5	70	71	71
Parallel constructions	8	79	80	81
Modifier placement	10	53	53	53
Complete sentences	17	57	57	57
Combining sentences	18	60	61	62
Modifier placement	21	73	73	74
Complete sentences	22	63	64	64
Parallel constructions	25	60	62	63
Combining sentences	30	52	53	54
Complete sentences	36	44	45	46
Parallel constructions	41	38	38	38
Parallel constructions	49	52	52	52
Coordination/subordination	53	52	52	53
Combining sentences	54	50	50	50
Planning & Organization	14	57	58	58
Logic and coherence	7	52	52	53
Logic and coherence	11	70	71	72
Research	12	53	54	55
Research	13	77	78	79
Logic and coherence	14	48	49	49
Logic and coherence	23	46	46	46
Logic and coherence	26	67	69	71
Research	27	62	64	66
Logic and coherence	28	72	72	72
Logic and coherence	37	53	54	55
Logic and coherence	39	52	53	54
Research	44	46	48	49
Research	45	52	52	52
Relevance of ideas	51	42	43	43
Appropriate Expression	9	65	66	67
Conciseness	2	68	70	72
Unambiguous references	9	66	67	69
Word choice/language suited to purpose	15	72	74	76
Conciseness	29	69	70	71
Word choice/language suited to purpose	31	73	74	76
Word choice/language suited to purpose	32	71	71	72
Conciseness	33	64	65	65
Conciseness	42	45	45	46
Word choice/language suited to purpose	50	53	55	58

Level 17/18–Written Expression	Total Items Item Number	Average Percent Correct		
		Grade 12 Fall	Grade 12 Midyear	Grade 12 Spring
	54	59	59	60
Mechanics	6	56	57	58
Spelling	4	66	66	67
Spelling	19	63	63	63
Spelling	24	61	62	62
Capitalization	38	50	51	52
Spelling	47	44	46	47
Punctuation	48	51	52	54

Level 17/18–Mathematics	Total Items Item Number	Average Percent Correct		
		Grade 12 Fall	Grade 12 Midyear	Grade 12 Spring
		41	42	43
Number Sense & Operations	8	45	45	46
Demonstrate ways of performing operations	1	57	58	60
Demonstrate ways of performing operations	3	48	49	49
Estimate and round real numbers	8	38	38	38
Represent, compare, and order numbers	14	44	45	45
Describe and apply properties of numbers	22	49	49	49
Demonstrate ways of performing operations	29	42	43	44
Demonstrate ways of performing operations	31	46	47	47
Estimate and round real numbers	40	33	34	34
Algebraic Patterns & Connections	12	43	44	44
Use and interpret operational and relational symbols	4	53	54	55
Use and interpret operational and relational symbols	9	62	63	65
Use expressions and equations to model situations	10	40	42	44
Use expressions and equations to model situations	13	32	32	32
Solve equations/inequalities	17	44	45	46
Solve equations/inequalities	18	39	40	40
Use and interpret operational and relational symbols	24	48	48	48
Solve equations/inequalities	25	56	56	56
Apply functional relationships	32	37	37	37
Solve equations/inequalities	34	37	37	38
Use expressions and equations to model situations	36	36	37	38
Solve equations/inequalities	38	32	33	34
Data Analysis, Probability, & Statistics	8	39	40	42
Interpret data and make predictions	2	58	59	60
Understand and apply measures of central tendency and variability	11	49	51	54
Interpret data and make predictions	12	42	43	43
Apply probability concepts and counting rules	20	25	29	32
Interpret data and make predictions	28	39	40	41
Interpret data and make predictions	30	30	30	31
Apply probability concepts and counting rules	35	38	39	40
Interpret data and make predictions	37	31	32	33
Geometry	8	39	40	41
Describe geometric properties, patterns, and relationships	5	33	34	36
Apply concepts of perimeter, area, and volume	7	40	41	43
Describe geometric properties, patterns, and relationships	16	51	51	51
Apply concepts of perimeter, area, and volume	19	31	33	36
Describe geometric properties, patterns, and relationships	23	52	52	52
Apply concepts of perimeter, area, and volume	26	45	46	47
Apply concepts of perimeter, area, and volume	27	22	24	26
Describe geometric properties, patterns, and relationships	33	36	37	38
Measurement	4	40	41	42
Understand and apply rate	6	36	37	38
Estimate measurements with appropriate precision	15	37	40	42
Understand and apply rate	21	50	51	51
Measure length/distance, time, temperature, weight, mass, and volume	39	35	36	37

Level 17/18–Science	Total Items Item Number	Average Percent Correct		
		Grade 12 Fall	Grade 12 Midyear	Grade 12 Spring
	48	46	47	48
Life Science	20	48	48	49
Interactions in an ecosystem	5	52	53	54
Changes in organisms	6	32	33	33
Human body, health, & safety	10	70	70	70
Changes in organisms	12	68	69	69
Changes in organisms	13	68	69	69
Interactions in an ecosystem	14	44	44	45
Interactions in an ecosystem	15	39	39	40
Interactions in an ecosystem	16	50	52	54
Human body, health, & safety	18	49	50	51
Human body, health, & safety	28	55	56	57
Human body, health, & safety	29	42	43	44
Human body, health, & safety	30	44	45	46
Human body, health, & safety	31	50	50	50
Human body, health, & safety	32	42	43	44
Human body, health, & safety	33	59	60	60
Organisms & their habitats	34	43	43	43
Organisms & their habitats	35	39	39	39
Interactions in an ecosystem	36	33	33	33
Organisms & their habitats	37	43	44	44
Organisms & their habitats	38	32	32	33
Earth & Space Science	12	42	42	43
Natural resources	24	65	65	66
Natural events	25	53	55	57
Natural events	26	57	58	60
Natural resources	27	43	44	45
The universe	39	41	42	43
The universe	40	32	33	34
The universe	41	40	41	42
The universe	42	30	30	31
The universe	43	36	36	36
The universe	44	31	32	33
The universe	45	35	36	37
The universe	46	36	36	36
Physical Science	16	49	49	51
Physical & chemical changes	1	46	46	47
Physical & chemical changes	2	61	61	61
Scientific measurement	3	47	47	47
Forces & motion	4	42	43	43
Types & properties of matter	7	51	53	55
Physical & chemical changes	8	58	58	58
Physical & chemical changes	9	56	57	58
Forces & motion	11	42	44	46
Forms of & changes in energy	17	40	41	43
Forces & motion	19	47	47	48
Forces & motion	20	68	70	71
Forces & motion	21	66	67	69
Forces & motion	22	43	44	46
Types & properties of matter	23	28	29	30
Scientific measurement	47	41	42	43
Scientific measurement	48	40	41	43

Level 17/18–Social Studies	Total Items Item Number	Average Percent Correct		
		Grade 12 Fall	Grade 12 Midyear	Grade 12 Spring
		50	47	48
History	15	50	51	52
Historical issues	4	48	48	48
Historical issues	6	50	51	52
Historical issues	8	52	52	52
Historical issues	18	51	52	53
Change & chronology	20	61	63	64
Historical research methods	21	48	49	51
Change & chronology	23	38	38	38
Historical issues	24	38	39	41
Historical issues	32	58	58	58
Historical issues	34	57	57	57
Historical issues	35	60	60	61
Historical issues	36	45	48	52
Historical issues	37	54	55	56
Historical issues	38	62	62	63
Change & chronology	39	35	36	37
Geography	9	43	44	45
Earth's features	3	19	22	24
People & the environment	12	55	55	56
People & the environment	13	57	57	57
People & the environment	14	69	69	69
People & the environment	15	43	44	46
People & the environment	40	33	35	37
People & the environment	41	31	33	34
Earth's features	42	41	42	43
People & the environment	43	41	41	41
Economics	12	48	49	50
Economic issues & viewpoints	2	52	52	53
Economic issues & viewpoints	5	52	55	58
Economic issues & viewpoints	7	41	43	44
Economic issues & viewpoints	16	63	64	64
Economic principles	17	60	61	63
Work & workers	26	43	43	43
Economic principles	27	30	31	31
Economic issues & viewpoints	28	38	38	38
Economic principles	29	32	33	34
Economic principles	30	44	45	47
Economic issues & viewpoints	31	57	59	61
Economic issues & viewpoints	33	62	63	63
Civics & Government	14	46	48	48
Laws & principles of U.S. government	1	56	56	56
Viewpoints & issues	9	43	44	45
Rights & responsibilities	10	70	72	73
Rights & responsibilities	11	54	55	56
Viewpoints & issues	19	51	53	54
Rights & responsibilities	22	41	42	42
Rights & responsibilities	25	51	53	55
Viewpoints & issues	44	44	45	45
Viewpoints & issues	45	39	40	40
Viewpoints & issues	46	45	46	46
Viewpoints & issues	47	33	33	33
Viewpoints & issues	48	45	46	47
Viewpoints & issues	49	32	33	34
Viewpoints & issues	50	46	47	48

Level 17/18–Vocabulary	Total Items Item Number	Average Percent Correct		
		Grade 12 Fall	Grade 12 Midyear	Grade 12 Spring
	40	56	58	59
Vocabulary	40	56	58	59
Verbs	1	87	88	90
Modifiers	2	61	63	64
Verbs	3	81	82	82
Modifiers	4	63	64	66
Modifiers	5	65	68	72
Modifiers	6	75	76	78
Verbs	7	35	35	35
Modifiers	8	30	32	34
Modifiers	9	68	70	72
Verbs	10	51	52	54
Nouns	11	68	69	70
Modifiers	12	58	59	59
Nouns	13	51	52	54
Modifiers	14	65	66	67
Verbs	15	63	64	66
Modifiers	16	52	53	55
Nouns	17	59	60	61
Modifiers	18	51	51	52
Verbs	19	65	66	66
Nouns	20	39	41	42
Modifiers	21	68	70	72
Modifiers	22	54	55	56
Verbs	23	62	63	64
Modifiers	24	69	69	69
Modifiers	25	45	47	49
Modifiers	26	48	48	48
Nouns	27	68	69	70
Modifiers	28	50	52	53
Modifiers	29	56	57	58
Modifiers	30	53	54	55
Nouns	31	43	45	47
Modifiers	32	49	52	54
Modifiers	33	61	63	64
Modifiers	34	35	36	38
Nouns	35	65	67	68
Modifiers	36	59	60	61
Modifiers	37	39	41	43
Modifiers	38	38	39	39
Nouns	39	56	58	60
Modifiers	40	47	49	51

Level 17/18–Computation	Total Items Item Number	Average Percent Correct		
		Grade 12 Fall	Grade 12 Midyear	Grade 12 Spring
		53	54	55
Integers	4	64	65	66
Add/subtract integers	1	83	84	85
Add/subtract integers	5	67	68	69
Multiply/divide integers	22	56	59	61
Multiply/divide integers	27	48	48	49
Decimals/Percents	8	54	55	56
Operations with decimals	4	74	76	77
Operations with decimals	6	56	58	59
Operations with percents	11	43	45	46
Operations with decimals	14	42	42	42
Operations with decimals	17	56	58	60
Operations with decimals	20	54	56	59
Operations with percents	24	46	48	50
Operations with percents	28	57	58	58
Fractions	5	44	45	46
Operations with simple fractions	2	64	66	69
Operations with simple fractions	10	44	44	44
Operations with mixed numbers	15	31	31	31
Operations with simple fractions	18	52	52	52
Operations with simple fractions	29	31	31	32
Algebraic Manipulations	13	53	54	55
Solve for a variable	3	50	50	50
Simplify/evaluate an expression	7	46	48	50
Simplify/evaluate an expression	8	59	59	59
Simplify/evaluate an expression	9	33	34	35
Simplify/evaluate an expression	12	49	50	51
Simplify/evaluate an expression	13	56	57	57
Solve for a variable	16	76	77	77
Simplify/evaluate an expression	19	68	69	69
Simplify/evaluate an expression	21	62	62	62
Simplify/evaluate an expression	23	55	55	55
Simplify/evaluate an expression	25	59	59	59
Solve for a variable	26	35	36	37
Simplify/evaluate an expression	30	47	50	54



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