

Iowa Assessments Score Totals

Components of Score Totals and Composites

Important

The tests you administer determine how Core Composite and Complete Composite scores are computed. Recognizing what test data comprise these scores is important when interpreting results on score reports. For example, for Level 5/6, the tests administered determine whether the Core Composite score on a report is the CT total (derived from Reading, Language, Vocabulary, and Mathematics test results) or the XCT total (derived from Reading, Language, Vocabulary, Word Analysis, Listening, and Mathematics test results).

Level 5/6

If you want to see this total on your score report...	Then you must administer these tests...	How totals are computed
English Language Arts Total	Reading, Language, Vocabulary	$ET = (0.33 * R + 0.5 * L + 0.17 * V)$
Extended English Language Arts Total	Reading, Language, Vocabulary, Word Analysis, Listening	$XET = (0.66 * ET + 0.17 * WA + 0.17 * Li)$
Core Composite with English Language Arts Total and Mathematics	Reading, Language, Vocabulary, Mathematics	$CT = (0.5 * ET + 0.5 * M)$
Core Composite with Extended English Language Arts Total and Mathematics	Reading, Language, Vocabulary, Word Analysis, Listening, Mathematics	$XCT = (0.5 * XET + 0.5 * M)$

Key to Tests:

R Reading WA Word Analysis
 L Language Li Listening
 V Vocabulary M Mathematics

Key to Totals:

ET English Language Arts Total CT Core Composite with ET
 XET Extended English Language Arts Total XCT Core Composite with XET
 Arts Total

Levels 7 and 8

If you want to see this total on your score report...	Then you must administer these tests...	How totals are computed
English Language Arts Total	Reading, Language, Vocabulary	$ET = (0.33 * R + 0.5 * L + 0.17 * V)$
Extended English Language Arts Total	Reading, Language, Vocabulary, Word Analysis, Listening	$XET = (0.66 * ET + 0.17 * WA + 0.17 * Li)$
Mathematics Total	Mathematics, Computation	$MT = (0.67 * M + 0.33 * MC)$
Core Composite with English Language Arts Total, Mathematics, and Computation	Reading, Language, Vocabulary, Mathematics, Computation	$CT = (0.5 * ET + 0.5 * MT)$
Core Composite with Extended English Language Arts Total, Mathematics, and Computation	Reading, Language, Vocabulary, Word Analysis, Listening, Mathematics, Computation	$XCT = (0.5 * XET + 0.5 * MT)$
Core Composite with English Language Arts Total and Mathematics (no Computation)	Reading, Language, Vocabulary, Mathematics	$CT- = (0.5 * ET + 0.5 * M)$
Core Composite with Extended English Language Arts Total and Mathematics (no Computation)	Reading, Language, Vocabulary, Word Analysis, Listening, Mathematics	$XCT- = (0.5 * XET + 0.5 * M)$
Complete Composite with English Language Arts Total, Mathematics, and Computation	Reading, Language, Vocabulary, Mathematics, Computation, Science, Social Studies	$CC = (0.33 * ET + 0.33 * MT + 0.17 * SC + 0.17 * SS)$
Complete Composite with Extended English Language Arts Total, Mathematics, and Computation	Reading, Language, Vocabulary, Word Analysis, Listening, Mathematics, Computation, Science, Social Studies	$XCC = (0.33 * XET + 0.33 * MT + 0.17 * SC + 0.17 * SS)$
Complete Composite with English Language Arts Total and Mathematics (no Computation)	Reading, Language, Vocabulary, Mathematics, Science, Social Studies	$CC- = (0.33 * ET + 0.33 * M + 0.17 * SC + 0.17 * SS)$
Complete Composite with Extended English Language Arts Total and Mathematics (no Computation)	Reading, Language, Vocabulary, Word Analysis, Listening, Mathematics, Science, Social Studies	$XCC- = (0.33 * XET + 0.33 * M + 0.17 * SC + 0.17 * SS)$

Key to Tests:

R Reading
 L Language
 V Vocabulary
 WA Word Analysis
 Li Listening
 M Mathematics
 MC Computation
 SC Science
 SS Social Studies

Key to Totals:

ET English Language Arts Total
 XET Extended English Language Arts Total
 MT Mathematics Total
 CT Core Composite with ET and MT
 XCT Core Composite with XET and MT
 CT- Core Composite with ET and M
 XCT- Core Composite with XET and M

CC Complete Composite with ET and MT
 XCC Complete Composite with XET and MT
 CC- Complete Composite with ET and M
 XCC- Complete Composite with XET and M

Levels 9–14

If you want to see this total on your score report...	Then you must administer these tests...	How totals are computed
Conventions of Writing	Spelling, Capitalization, Punctuation	$CW = (0.333 * SP + 0.333 * CP + 0.333 * PC)$
English Language Arts Total	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary	$ET = (0.33 * R + 0.33 * WE + 0.18 * CW + 0.16 * V)$
Extended English Language Arts Total*	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Word Analysis, Listening	$XET = (0.66 * ET + 0.17 * WA + 0.17 * Li)$
Mathematics Total	Mathematics, Computation	$MT = (0.67 * M + 0.33 * MC)$
Core Composite with English Language Arts Total, Mathematics, and Computation	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Mathematics, Computation	$CT = (0.5 * ET + 0.5 * MT)$
Core Composite* with Extended English Language Arts Total, Mathematics, and Computation	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Word Analysis, Listening, Mathematics, Computation	$XCT = (0.5 * XET + 0.5 * MT)$
Core Composite with English Language Arts Total and Mathematics (no Computation)	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Mathematics	$CT- = (0.5 * ET + 0.5 * M)$
Core Composite* with Extended English Language Arts Total and Mathematics (no Computation)	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Word Analysis, Listening, Mathematics	$XCT- = (0.5 * XET + 0.5 * M)$
Complete Composite with English Language Arts Total, Mathematics, and Computation	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Mathematics, Computation, Science, Social Studies	$CC = (0.33 * ET + 0.33 * MT + 0.17 * SC + 0.17 * SS)$
Complete Composite* with Extended English Language Arts Total, Mathematics, and Computation	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Word Analysis, Listening, Mathematics, Computation, Science, Social Studies	$XCC = (0.33 * XET + 0.33 * MT + 0.17 * SC + 0.17 * SS)$
Complete Composite with English Language Arts Total and Mathematics (no Computation)	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Mathematics, Science, Social Studies	$CC- = (0.33 * ET + 0.33 * M + 0.17 * SC + 0.17 * SS)$
Complete Composite* with Extended English Language Arts Total and Mathematics (no Computation)	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Word Analysis, Listening, Mathematics, Science, Social Studies	$XCC- = (0.33 * XET + 0.33 * M + 0.17 * SC + 0.17 * SS)$

* Level 9 Only

Levels 9-14 (Continued)

Key to Tests:

R	Reading
WE	Written Expression
V	Vocabulary
WA	Word Analysis
Li	Listening
M	Mathematics
MC	Computation
SC	Science
SS	Social Studies

Key to Totals:

CW	Conventions of Writing
ET	English Language Arts Total
XET	Extended English Language Arts Total
MT	Mathematics Total
CT	Core Composite with ET and MT
XCT	Core Composite with XET and MT
CT-	Core Composite with ET and M
XCT-	Core Composite with XET and M

CC	Complete Composite with ET and MT
XCC	Complete Composite with XET and MT
CC-	Complete Composite with ET and M
XCC	Complete Composite with XET and M

Beginning at Grade 6 (Level 12), information can be provided for students being “on track” for college readiness. Information is also available to predict ACT/SAT scores.

If you want to see this information on your score report...	Then you must administer these tests...
College Readiness - Reading College Readiness - Language College Readiness - Mathematics College Readiness - Science	Reading Written Expression Mathematics Science
Predicted ACT Composite Predicted SAT Math Predicted SAT Critical Reading	Reading, Written Expression, Spelling, Capitalization, Punctuation, Vocabulary, Mathematics (Core Composite with ELA and no Computation)

Levels 15-17/18

If you want to see this total on your score report...	Then you must administer these tests...	How totals are computed
English Language Arts Total	Reading, Written Expression, Vocabulary	$ET = (0.33 * R + 0.5 * WE + 0.17 * V)$
Mathematics Total	Mathematics, Computation	$MT = (0.67 * M + 0.33 * MC)$
Core Composite with Mathematics and Computation	Reading, Written Expression, Vocabulary, Mathematics, Computation	$CT = (0.5 * ET + 0.5 * MT)$
Core Composite with Mathematics (no Computation)	Reading, Written Expression, Vocabulary, Mathematics	$CT- = (0.5 * ET + 0.5 * M)$
Complete Composite with Mathematics and Computation	Reading, Written Expression, Vocabulary, Mathematics, Computation, Science, Social Studies	$CC = (0.33 * ET + 0.33 * MT + 0.17 * SC + 0.17 * SS)$
Complete Composite with Mathematics (no Computation)	Reading, Written Expression, Vocabulary, Mathematics, Science, Social Studies	$CC- = (0.33 * ET + 0.33 * M + 0.17 * SC + 0.17 * SS)$

Key to Tests:

R	Reading
WE	Written Expression
V	Vocabulary
M	Mathematics
MC	Computation
SC	Science
SS	Social Studies

Key to Totals:

ET	English Language Arts Total
MT	Mathematics Total
CT	Core Composite with ET and MT
CT-	Core Composite with ET and M
CC	Complete Composite with ET and MT
CC-	Complete Composite with ET and M

If you want to see this information on your score report...	Then you must administer these tests...
College Readiness - Reading College Readiness - Language College Readiness - Mathematics College Readiness - Science	Reading Written Expression Mathematics Science
Predicted ACT Composite Predicted SAT Math Predicted SAT Critical Reading	Reading, Written Expression, Vocabulary, Mathematics {Core Composite with Mathematics (no Computation)}