

Skills Insight™

Next-Generation Reading

Score range: 236 and below

Students scoring in this band are beginning to demonstrate the foundational skills and knowledge needed to be college and career ready.

Score range: 237–249

Students scoring in this band can typically demonstrate the following skills and knowledge in somewhat challenging to moderately challenging texts:

- Locate clearly stated information in and draw simple inferences from a text
- Locate a text's explicitly stated main purpose or identify a paragraph's subtly stated main purpose
- Integrate basic information and ideas from multiple texts on the same topic
- Determine the meaning of a common word or phrase using clear context clues

Score range: 250–262

Students scoring in this band can typically demonstrate the following additional skills and knowledge in moderately challenging texts:

- Locate and interpret subtly stated information in and determine an implicit central idea, theme, or purpose of a text
- Determine a straightforward function of a part of a text in relation to the whole text
- Make somewhat challenging connections between multiple texts on the same topic
- Determine the meaning of a common high-utility academic word or phrase using context clues

Score range: 263–275

Students scoring in this band can typically demonstrate the following additional skills and knowledge in moderately challenging to complex texts:

- Describe the effect that word choice has on meaning or tone when the effect is subtle
- Determine a subtly established point of view or perspective in a text
- Make moderately challenging to complex connections between multiple texts on the same topic
- Determine the meaning of a relatively uncommon high-utility academic word or phrase in context or the literal meaning of a moderately challenging figurative expression in context

Score range: 276 and above

Students scoring in this band can typically demonstrate the following additional skills and knowledge in complex to highly complex texts:

- Determine a complex function of a part of a text in relation to the whole text
- Determine a complex to highly complex central claim or counterclaim of a text
- Reach complex to highly complex or subtle assessments of an author's reasoning or use of evidence

Skills Insight™

Next-Generation Arithmetic

Score range: 236 and below

Students scoring in this band may demonstrate the following skills and knowledge:

- Fluently add, subtract, multiply, and divide whole numbers
- Identify decimal values that occur between whole numbers
- Convert fractions to their decimal equivalents
- Order positive real numbers expressed as a whole number or decimal from least to greatest

Score range: 237–249

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Fluently add, subtract, and multiply decimals
- Fluently add and subtract fractions, including mixed numbers
- Use addition, subtraction, multiplication, and division of whole numbers and decimals to solve one-step applied problems

Score range: 250–262

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Use addition, subtraction, multiplication, and division of whole numbers and decimals to solve multistep applied problems
- Use addition, subtraction, and multiplication to solve one-step problems involving fractions
- Determine the result when taking the percent of a given number

Score range: 263–275

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Fluently solve numerical expressions by applying the order of operations involving decimals and whole numbers
- Use addition, subtraction, multiplication, and division to solve multistep applied problems involving fractions
- Solve single-step applied problems involving percent
- Solve problems involving converting a fraction to its decimal equivalent and rounding the result to a given value

Score range: 276 and above

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Fluently apply the order of operations to solve numerical expressions involving fractions, including mixed numbers and improper fractions
- Solve multistep applied problems involving percent
- Order numerical expressions based on their computational result

Skills Insight™

Next-Generation Quantitative Reasoning, Algebra, and Statistics

Score range: 236 and below

Students scoring in this band may demonstrate the following skills and knowledge:

- Identify a graph that represents a set of univariate data
- Fluently add, subtract, and multiply integers
- Identify coordinate points in the xy -plane

To gain more information on skills and knowledge students in this score band can typically demonstrate, it may be advisable to administer the Next-Generation Arithmetic placement test.

Score range: 237–249

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Identify a linear equation or inequality that represents a simple context
- For a linear equation in two variables, given one value, calculate or find the other value
- Evaluate a numerical rational or radical expression consisting of integers
- Solve one-step problems involving unit rate, ratio, proportion, and unit conversion

Score range: 250–262

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Describe a solution to a system of equations or inequalities algebraically

- Create and use a system of linear equations to solve problems
- Apply rates, ratios, and unit conversions in multistep problems
- Make connections between tables, graphs, verbal descriptions, and algebraic equations representing a linear relationship

Score range: 263–275

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Calculate or find the slope and y -intercept of a line that is parallel to a given line
- Evaluate numerical expressions with negative and fractional exponents
- Calculate conditional probability for simple problems
- Interpret the y -intercept of a graph within a context

Score range: 276 and above

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Calculate or find the slope and y -intercept of a line that is perpendicular to a given line
- Given a nonlinear function, calculate or find the input given the output
- Compare the means and medians of two data distributions
- Create expressions to represent complex perimeter and area problems
- Evaluate numerical expressions involving absolute value

Skills Insight™

Next-Generation Advanced Algebra and Functions

Score range: 236 and below

Students scoring in this band may demonstrate the following skills and knowledge:

- Given a linear function that represents a context, calculate or find the output given the input
- Apply rules of exponents to simplify expressions
- Solve quadratic equations in $x^2 + bx + c = 0$ form by factoring
- Interpret the meaning of a value in an exponential function based on the context

To gain more information on skills and knowledge students in this score band can typically demonstrate, it may be advisable to administer the Next-Generation Quantitative Reasoning, Algebra, and Statistics placement test.

Score range: 237–249

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Solve linear equation systems in $ax + by = cx + dy$ form with integer coefficients
- Make connections between tables and algebraic equations representing a nonlinear relationship
- Rewrite complex polynomial (including quadratic) expressions by factoring
- Solve simple rational and radical equations

Score range: 250–262

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Make connections between graphs and algebraic equations representing quadratic relationships
- Rewrite rational expressions
- Use properties of triangles to solve problems
- Utilize simple trigonometric ratios

Score range: 263–275

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Add and subtract rational expressions
- Solve complex rational equations
- Solve exponential equations in one variable
- Relate the solutions of a system of a linear and nonlinear equation in two variables to the graphs of the system

Score range: 276 and above

Students scoring in this band can typically demonstrate the following additional skills or knowledge:

- Make connections between graphical, tabular, and algebraic representations of relationships involving the absolute value function
- Solve quadratic equations in one variable using any method, including completing the square
- Use concepts about trigonometric functions (sine, cosine, tangent) to solve problems, including within the unit circle
- Evaluate logarithmic equations