EOG Information

Grade 7

ELA Standards Grade 6-8

Standard	Grade 6	Grade 7	Grade 8
Reading for Literature	32–36%	34–38%	31–35%
Reading for Information	41–45%	41–45%	42–46%
Writing	NA	NA	NA
Speaking and Listening	NA	NA	NA
Language	21–25%	19–23%	20–24%
Total	**100%**	**100%**	**100%**

Reading Literature

- determine theme
- cite textual evidence
- analyze how elements of a story interact
- determine the meaning of words or phrases using context clues
- analyze how a drama's form contributes to meaning
- point of view
- compare and contrast texts
- analyze impact of rhymes on a specific verse, stanza, or section of a story

Reading for Information

- cite textual evidence
- determine two or more central ideas
- analyze interactions between individuals, events, and ideas in a text
- determine meaning of words using context clues
- analyze the impact of a word choice on meaning and tone

Language

- use pronouns correctly
- use correct punctuation, spelling, and capitalization
- determine meaning of unknown and multiple-meaning words
- interpret figures of speech
- distinguish between connotation and denotation

Sample Question

Which quote from the selection supports theme?

A) "Winning the race would make him the Junior Champ of the Steamboat Springs Ski Club."

B) "His skis bit the snow as he zigzagged through the gates- ten, fifteen, twenty."

C) "Though his knee hurt, he thought only of winning the race."

D) " 'You're a fine skier, and you have a compassionate heart.' "

Math Standards Grade 6-8

Domain	Grade 6	Grade 7	Grade 8
Ratios and Proportional Relationships	12–17%	22–27%	NA
The Number System	27–32%	7–12%	2–7%
Expressions and Equations	27–32%	22–27%	27–32%
Functions	NA	NA	22–27%
Geometry	12–17%	22–27%	20–25%
Statistics and Probability	7–12%	12–17%	15–20%
Total	**100%**	**100%**	**100%**

Ratios and Proportional Relationships

- calculate unit rate
- constant of proportionality
- write an equation for a proportional relationship
- percent of increase, decrease, and error
- calculate problems involving percents

The Number System

- add, subtract, multiply, and divide integers
- absolute value
- solve multi-step real-world problems involving fractions, decimals, and integers

Expressions and Equations

- write expressions from verbal descriptions and for real-world problems
- write and solve two-step equations and inequalities
- simplify expressions using the distributive property and combining like terms
- calculate tax, tip, markup, discount, sale price, and commission
- calculate simple interest

Geometry

- scale and scale drawings
- triangle side rule and angle rule
- cross-sections of 3d figures
- angle relationships
- area and circumference of circles
- surface area of rectangular and triangular prisms
- volume of rectangular and triangular prisms

Statistics and Probability

- random sampling and bias
- compare data using mean, median, Mean Absolute Deviation, and Interquartile range
- probability of single events
- probability of compound events
- experimental vs. theoretical probability
- using probability to predict

Sample Question

Suppose that a butterfly can fly 82 feet in 4 seconds. A dragonfly can fly 50 feet in 2 seconds. Which can fly faster and by how much?

A) The dragonfly is 4.5 feet per second faster.

B) The dragonfly is 20.5 feet per second faster.

C) The butterfly is 4.5 feet per second faster.

D) The butterfly is 24 feet per second faster.