

## **Grade 7**

### **Literacy**

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from text

Determine a theme or central idea of a text and analyze its development over the course of the text; provide an objective summary of the text

Analyze how and author develops and contrasts the points of view of different characters or narrators in a text

Read and comprehend literature, including stories, dramas, and poems in the grades 6 - 8 text complexity band proficiently with scaffolding as needed at the high end of the range

In non-fiction (informational) texts cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text

Determine two or more central ideas (informational texts) in a text and analyze their development over the course of the text; provide an objective summary of the text

Produce clear and coherent writing in which the development, organization, and style are appropriate to text, purpose, and audience

Draw evidence from literary or informational texts to support analysis, reflection and research

Engage effectively in a range of collaborative discussions with diverse partners on Grade 7 topics, texts, and issues, building on others' ideas and expressing their own clearly

Determine or clarify the meaning of unknown and multiple meaning words and phrases on Grade 7 reading and content, choosing flexibly from a range of strategies

### **Numeracy**

Analyze proportional relationship and use them to solve real-world and mathematical problems

Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units

Recognize and represent proportional relationships between quantities

Decide whether two quantities are in proportional relationship by testing for equivalent ratios in a table or graphing on a coordinate plane and observing whether the graph is a straight line through the origin

Identify the constant of proportionality in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships

Represent proportional relationships by equations

Explain what a point  $(x, y)$  on the graph of a proportional relationship means in terms of the situation, with special attention to the points  $(0,0)$  and  $(1, r)$  where  $r$  is the unit rate

Use proportional relationships to solve multistep ratio and percent problems

Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers

Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers, represent addition and subtraction on a horizontal or vertical number line diagram

Describe situations in which opposite quantities combine to make 0

Understand  $p$  and  $q$  as the number located a distance  $|q|$  from  $p$ , in the positive or negative direction depending on whether  $q$  is positive or negative. Show that a number and its opposite have a sum of 0. Interpret sums of rational numbers by describing real-world contexts