

Table 3.5:
Analysis Tool for Grades 6 and 7—Ratios and Proportional Relationships (6.RP and 7.RP) and Grade 8 Functions (8.F) Domains

Content Standard Clusters	Which Standards in the Cluster Are Familiar?	What's New or Challenging in These Standards?	Which Standards in the Cluster Need Unpacking or Emphasizing?	How Is This Cluster Connected to the Other 6–8 Domains and Mathematical Practices?
Grade 6 (6.RP) critical area: Connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems				
Understand ratio concepts and use ratio reasoning to solve problems.				
Grade 7 (7.RP) critical area: Developing understanding of and applying proportional relationships				
Analyze proportional relationships and use them to solve real-world and mathematical problems.				
Grade 8 (8.F) critical area: Grasping the concept of a function and using functions to describe quantitative relationships				
Define, evaluate, and compare functions.				
Use functions to model relationships between quantities.				