In Grade 7, instruction should focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surf

The content of this document is

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| $7 . R P .1$ | Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other <br> quantities measured in like or different units. |
| 7.RP.2 | Recognize and represent proportional relationships between quantities. <br> a. Decide whether two quantities are in a proportional relationship, e.g., by testing for equivalent <br> ratios in a table or graphing on a coordinate plane and observing whether the graph is a <br> straight line through the origin. <br> b. Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and <br> verbal descriptions of proportional relationships. <br> c. Represent proportional relationships by equations. <br> d. Explain what a point ( ) on the graph of a proportional relationship means in terms of the <br> situation, with special attention to the points (0, 0) and (1, ) where is the unit rate. <br> Use proportional relationships to solve multistep ratio and percent problems. |
| 7.RP.3 |  |



The primary purpose of the
is to provide teachers with a deeper understanding of the Standards as they plan for classroom instruction. Based on the 2016 Mississippi College- and CareerReadiness Standards for Mathematics, this document provides a close analysis of the requirements for student mastery. Because of the rigor and depth of the Standards, scaffolding instruction to meet the needs of all learners is essential to individual success. The Scaffolding Document will aid teachers' understanding of how to teach the Standards through a natural progression of student mastery. The Scaffolding Document can be found at

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
