Grade 7 PLANNING GUIDE: Comparing & Scaling – Ratio, Proportion, Percent

| Power Standards: | 7.2.2-Apply ratio and proportionality to solve problems, including percent and simple probability  
7.2.5-Convert among different units of measurement to solve problems |
| Core Concepts: | Ratio, proportion, percent, probability, metric & customary units of measurement, rate, unit rate, unit measurement conversion  
7.2.2-VOCABULARY: experimental probability, percent of change, percent, probability, proportion, theoretical probability  
-what is ratio?  
-what is a proportion?  
-what is a percent?  
-what is a probability?  
-recognize proportional relationships  
-solve problems using ratios and proportions  
-solve problems using percents (using proportions as well as other methods)  
-strategies for solving problems involving ratios, proportions, probability, and percents  
-solve problems involving simple probability (single events)  
-how to choose appropriate strategies  
7.2.5-VOCABULARY: convert, units of measurement---customary and metric, rate, mm “millimeter”, cm “centimeter”, m “meter”, km “kilometer”, customary units will be spelled (inch, foot, yard, mile), metric units may be abbreviated, square units may be written as exponents, square cm, or square centimeters, cubic units will be similarly written.  
-knowledge of metric and customary units of measure  
-knowledge of rates and how to work with a rate  
-what is a unit rate?  
-general understanding of converting unit measurements |
| Formative (Pre-)Assessment: | Unit Test (Comparing & Scaling)  
CMP Assessment Resources: Multiple Choice Questions & Test Bank Questions |
<p>| Student Assessment Checkpoints |<br />
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**Summative (Post) Assessment:**
Parallel to Pre-Assessment OR Unit Test (Comparing & Scaling)
Multiple Choice Questions & Test Bank Questions

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**Enrichment & Extension**