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Office of Curriculum, Instruction, and Professional Development 5/15/2019

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### Quarter 1

**Unifying Concept**
Ratio/Unit Rates, Rational Numbers, Arithmetic Operations and Expressions and Equations

**Standards for Mathematical Practice:**
SMP 1, 2, 3, 6, 7, 8

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See additional pages for standard clustered mastery and Eureka module alignment

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### Quarter 2

**Unifying Concept**
Operations with Rational Number and Expressions, Equations and Inequalities

**Standards for Mathematical Practice:**
SMP 1, 2, 4, 5, 6, 7

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See additional pages for standard clustered mastery and Eureka module alignment

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### Quarter 3

**Unifying Concept**
Expressions, Equations, Inequalities and Unit Rates, Geometry Formulas

**Standards for Mathematical Practice:**
SMP 1, 2, 4, 7, 8

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### Quarter 4

**Unifying Concept**
Unit Rates, Proportional Relationships, Statistics and Probability

**Standards for Mathematical Practice:**
SMP 1, 2, 3, 4, 5, 6, 7

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### Quarterly Standards and Concept Mastery

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<th>Concept Mastery</th>
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| **Q1: Ratio and Proportions**  
6.RP.A.1, 6.RP.A.2, 6.RP.A.3a-d,  
7.RP.A.2a-c | **Ratio and Proportions:** Students should progress from understanding ratios concepts and using ratios to solve problems to mastering how to analyze proportional relationships and use them to solve real-world problems. |
| **Q2: Number System**  
6.NS.C.5, 6.NS.C.6a-c, 6.NS.C.7a-d,  
6.NS.C.8, 7.NS.A.1a-d, 7.NS.A.2a-d | **Number System:** Students should progress from understanding the system of rational numbers (integers and fractions) to mastering how to apply the four operations so solve problems containing rational numbers (integers and fractions).  
**Expressions and Equations:** Students should progress from applying the properties of operations to generate/identify equivalent expressions to rewriting equivalent expressions in context and understand the relationship of the two forms.  
Note: 8.EE.A.3 is introduced as a constant as a possible extension to negative numbers and fractions when working with exponents. |
| **Q2: Expressions and Equations**  
6.EE.A.3, 6.EE.A.4, 7.EE.A.2 | **Expressions and Equations:** Students should progress from solving one-variable equation and inequality to mastering how to solve real-world problems using equations and inequalities with variables.  
**Geometry:** Students should progress from solving problems involving area, surface area and volume to drawing, constructing geometric figures and solving real-world problems involving area, surface area, volume, and angle measure. |
| **Q3: Expressions and Equations**  
6.EE.B.5, 6.EE.B.7, 6.EE.B.8, 6.EE.C.9,  
7.EE.B.4a-b | **Expressions and Equations:** Students should progress from solving one-variable equation and inequality to mastering how to solve real-world problems using equations and inequalities with variables.  
**Geometry:** Students should progress from solving problems involving area, surface area and volume to drawing, constructing geometric figures and solving real-world problems involving area, surface area, volume, and angle measure. |
| **Q4: Statistics and Probability**  
6.SP.A.1, 6.SP.A.2, 6.SP.A.3, 6.SP.A.4,  
6.SP.A.5a-d, 7.SP.B.3, 7.SP.B.4 | **Statistics and Probability:** Students should progress from understanding statistical variability and distribution to drawing inferences about two populations. |

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