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| **Less emphasis on:** | **More emphasis on:** |
|  | **Standards for Mathematical Practice*** + - Describe mathematical “habits of mind”
		- Standards for mathematical proficiency: reasoning, problem solving, modeling, decision making, and engagement
		- Connect with content standards in each grade
 |
| **Numbers & Operations*** Representing and using numbers in equivalent forms
* Modeling and comparing rational numbers
* Applying place value concepts, GCF and LCM
* Operations with integers
* Using order of operations
* Estimating solutions
 | **Numbers & Operations*** Analyzing proportional relationships
* Representing proportional relationships by equations
* Using proportional relationships to solve multi-step problems
* Unit rates associated with fractions
* Operations with rational numbers
* Convert rational numbers to a decimal using long division
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| **Measurement*** Using conversions to add & subtract
 | **Measurement** |
| **Geometry*** Properties of 1-, 2-, and 3-dimensional shapes and classifying 2- and 3-dimensional shapes
* Predicting the result of a translation, rotation and/or reflection
* Locating/plotting points on the coordinate plane
* Predicting the result of a translation, rotation and/or reflection
 | **Geometry*** Real life mathematical problems involving angle measure, area, surface area, and volume.
* Knowing the formulas for area & circumference of a circle and use them to solve problems
* Reproducing scale drawings using a different scale
* Using scale drawing to compute actual lengths and areas
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| **Algebraic Concepts*** Properties of numbers (Commutative, Associative, Identity, Distributive)
* Extending/finding a missing element of a pattern
* Determining function rules from patterns
* Describing the relationship of data involving constant rate of change
 | **Algebraic Concepts*** Using properties of operations to write equivalent expressions
* Solving multi-step, real-life mathematical problems using rational numbers
* Solving word problems using equations and inequalities
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| **Data Analysis & Probability*** Organizing and analyzing data in different types of displays
* Interpreting trends based on a graph
* Finding the probability of simple events
 | **Data Analysis & Probability*** Using random sampling to draw inferences
* Measure of center and variability with random samples
* Drawing informal comparative inferences about two populations
* Developing, using and evaluating probability models
* Finding the probability of compound events
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