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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 and Operations*** Modeling and comparing values of whole numbers, mixed numbers, fractions and decimals
* Representing whole numbers, fractions, mixed numbers, decimals, and percents in equivalent forms
* Applying place value concepts to order and compare decimals, fractions, and mixed numbers
* Applying properties to evaluate numerical expressions
* Estimating solutions of problems involving whole numbers and decimals
 | **Numbers and Operations*** Computing fluently with multi-digit numbers and finding common factors and common multiples
* Extending previous understandings of arithmetic to algebraic expressions and applying the properties of operations to generate equivalent expressions
* Using visual models to conceptualize multiplying and dividing fractions
* Developing an understanding of statistical variability/ Ratio concepts/ratio reasoning to solve real world problems/ratio relationships/equivalent ratio tables/plotting on coordinate plane/solving unit rate problems
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| **Measurement*** Measuring length, perimeter, area, measuring angles with a protractor in isolation
* Basic Metric and Customary Measurement Conversions
 | **Measurement*** Using nets to find surface area and applying in a real-world context
* Ratio reasoning to convert measurement units

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| **Geometry*** Identifying and classifying 1,2, and 3 dimensional shapes
* Translations, rotations, and reflections
* Identifying location of points on a 2-dimensional coordinate system
* Identifying parts of right triangles
 | **Geometry*** Understanding signs of numbers of

 3 dimensional shapes in four quadrants of the coordinate plane* Finding areas of geometric shapes

 through composition and decomposition in the context of real-world problems* Using coordinates in the coordinate plane to find the length of a side of a polygon
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| **Algebraic Concepts*** Forming a rule for whole number patterns/Determining a function rule from a table or graph
* Comparisons of number
 | **Algebraic Concepts*** Writing and evaluating numerical expressions involving whole-number exponents, using variables, and order of operations in the context of real-world problems
* Reasoning about and solving one-variable equations and inequalities/Using substitution
* Applying and extending previous understandings of numbers to the system of rational numbers (i.e. positive and negative numbers in the real world
* Ordering rational numbers in the real world
* Understanding absolute value/positive and negative numbers/rational numbers conceptually
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| **Data Analysis & Probability*** Probability and Predictions: Estimating outcomes and likelihood
* Gathering and selecting an appropriate format to display data
 | **Data Analysis & Probability*** Recognizing statistical variability
* Center, spread, and overall shape of data and its meaning
* Measures of center and measures of variation
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