6th grade Lesson 1 (Pre-Visit) More Than Math North Carolina Curriculum Alignment

North Carolina Standard Course of Study Sixth Grade Mathematics	Step	Area of a Square
Standards for Mathematical Practice		
1. Make sense of problems and persevere in solving them.		X
2. Reason abstractly and quantitatively.	X	X
3. Construct viable arguments and critique the reasoning of others	X	X
4. Model with mathematics.		
5. Use appropriate tools strategically.		X
6. Attend to precision.		X
7. Look for and make use of structure.		
8. Look for and express regularity in repeated reasoning.	X	
Standards for Ratio and Proportional Relationships		
Understand ratio concepts and use ratio reasoning to solve problems.		
NC.6.RP.1 Understand the concept of a ratio and use ratio language to: • Describe a ratio as a multiplicative relationship between two quantities. • Model a ratio relationship using a variety of representations.		
NC.6.RP.3 Use ratio reasoning with equivalent whole-number ratios to solve real-world and mathematical problems by: • Creating and using a table to compare ratios. • Finding missing values in the tables. • Using a unit ratio.	X	
Standards for Geometry		
Solve real-world and mathematical problems involving area, surface area, and volume.		
NC.6.G.1 Create geometric models to solve real-world and mathematical problems to: • Find the area of triangles by composing into rectangles and decomposing into right triangles. • Find the area of special quadrilaterals and polygons by decomposing into triangles or rectangles.		X
NC.6.G.2 Apply and extend previous understandings of the volume of a right rectangular prism to find the volume of right rectangular prisms with fractional edge lengths. Apply this understanding to the context of solving real-world and mathematical problems.		

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