

# UNITS DESIGN FRAMEWORK

## PART I: UNIT OVERVIEW

<b>Content</b>	Prime Time
<b>Grade Level</b>	6 <sup>th</sup>
<b>Power Standard/CCSS Power Standard</b>	PS: 6N1Aa CCSS: 6.NS
<b>Suggested Length of Unit</b>	4 weeks

<b>Reference Deconstruction Document and Power Standard/CCSS Power Standard</b>	<a href="http://camdentonschools.schoolwires.net/cms/lib01/MO01001301/Centricity/Domain/39/Grade_6_Mathematics_DeconStd.pdf">http://camdentonschools.schoolwires.net/cms/lib01/MO01001301/Centricity/Domain/39/Grade_6_Mathematics_DeconStd.pdf</a> Pages: 1, 18
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<b>Unwrapped Concept:</b> Pull “the what” from deconstruction documents, should represent what students need to know.	<b>Key Vocabulary:</b> Pull academic vocabulary from deconstruction documents, should represent what students need to be able to do.	<b>Depth of Knowledge (DOK):</b>										
Whole numbers to millions Fractions and decimals to thousandths Location on a number line Mathematical properties Square and cubic numbers	<table border="0"> <tr> <td>Square numbers</td> <td>Cubic numbers</td> </tr> <tr> <td>Roots</td> <td>Cubes</td> </tr> <tr> <td>Whole numbers</td> <td>GCF</td> </tr> <tr> <td>LCM</td> <td>Factors</td> </tr> <tr> <td>Multiples</td> <td>Prime/Composite</td> </tr> </table>	Square numbers	Cubic numbers	Roots	Cubes	Whole numbers	GCF	LCM	Factors	Multiples	Prime/Composite	1/2
Square numbers	Cubic numbers											
Roots	Cubes											
Whole numbers	GCF											
LCM	Factors											
Multiples	Prime/Composite											

<b>Supporting Standards (current and CCSS):</b> PS: 6N1B, 6N3Ca, 6N1Ab CCSS: 6.RP, 6.EE	<b>Other Vocabulary Terms:</b> Mathematical properties Whole number GCF LCM Factors Multiples
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	Prime/Composite Square/Cubic numbers

<b>Reference to Power Standard Assessment:</b> Paste the link to the appropriate power standard assessment in this box.	<a href="http://camdentonschools.schoolwires.net/cms/lib01/MO01001301/Centricity/Domain/39/6N1Aa.pdf">http://camdentonschools.schoolwires.net/cms/lib01/MO01001301/Centricity/Domain/39/6N1Aa.pdf</a>
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## PART II: LEARNING PROGRESSIONS

### Directions:

1. Copy the unwrapped power standard concepts, vocabulary, and DOK into the frames provided below.
2. Brainstorm three to five possible performance tasks that incorporate these concepts, skills, and levels of rigor.
3. Write a synopsis for each selected task and list the tasks in a “learning progressions” sequence. Bold those concepts and skills that are directly represented in the tasks.

### Learning Progressions:

**Task 1:** Recognize and use properties of prime and composite numbers, even and odd numbers, and square numbers.

**Task 2:** Develop strategies for finding factors and multiples, least common multiples, and greatest common factors.

**Task 3:** Understand relationships among factors, multiples, divisors, and products.

**Task 4:** Use factors and multiples to solve problems and to explain some numerical facts of everyday life.

