

UNITS DESIGN FRAMEWORK

PART I: UNIT OVERVIEW

Content	Bits and Pieces II & CMP Common Core Investigation 2
Grade Level	6 th
Power Standard/CCSS Power Standard	PS: 6N3Ca CCSS: 6.NS
Suggested Length of Unit	7 weeks

Reference Deconstruction Document and Power Standard/CCSS Power Standard	http://camdentonschools.schoolwires.net/cms/lib01/MO01001301/Centricity/Domain/39/Grade_6_Mathematics_DeconStd.pdf Pages: 1, 7, 11, 12, 14, 21, 23, 24
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Unwrapped Concept: Pull “the what” from deconstruction documents, should represent what students need to know.	Key Vocabulary: Pull academic vocabulary from deconstruction documents, should represent what students need to be able to do.	Depth of Knowledge (DOK):
Positive rational numbers Equivalent fractions, decimals, percents Benchmark percents Patterns Whole numbers to millions Fractions/decimals to thousandths Location on a number line Visual models/problems Fraction & decimal multiplication and division	Calculate Estimate Explain Simplify Evaluate	2

Supporting Standards (current and CCSS): 6N1B	Other Vocabulary Terms: algorithm, reciprocal, numerator, denominator, unit fraction, improper fraction, mixed number, product
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6N1Ab 6N1Aa	quotient

Reference to Power Standard Assessment: Paste the link to the appropriate power standard assessment in this box.	http://camdentonschools.schoolwires.net/cms/lib01/MO01001301/Centricity/Domain/39/6N3Ca.pdf
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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: Use benchmarks and other strategies to estimate the reasonableness of results of operations with fractions.

Task 2: Use knowledge of fractions and equivalents of fractions to develop algorithms for addition, subtraction, multiplication, and division of fractions.

Task 3: Recognize when addition, subtraction, multiplication, and division are the appropriate operation to solve a problem.

Task 4: Write, read and evaluate expressions in which letters stand for numbers; analyze relationships between dependent and independent variables using graphs, tables and equations.

