



## Topic C

## Dividing Whole Numbers and Decimals

## 6.NS.B.2, 6.NS.B.3

<b>Focus Standards:</b>	6.NS.B.2	Fluently divide multi-digit numbers using the standard algorithm.
	6.NS.B.3	Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.
<b>Instructional Days:</b>	4	
<b>Lesson 12:</b>	Estimating Digits in a Quotient (P) <sup>1</sup>	
<b>Lesson 13:</b>	Dividing Multi-Digit Numbers Using the Algorithm (P)	
<b>Lesson 14:</b>	The Division Algorithm—Converting Decimal Division into Whole Number Division Using Fractions (P)	
<b>Lesson 15:</b>	The Division Algorithm—Converting Decimal Division into Whole Number Division Using Mental Math (P)	

In Topic C, students build upon previous lessons to fluently divide numbers and decimals. They apply estimation to place value and determine that the standard algorithm is simply a tally system arranged in place value columns (**6.NS.B.2**). Students understand that when they “bring down” the next digit in the algorithm, they are distributing, recording, and shifting to the next place value. They understand that the steps in the algorithm continually provide better approximations to the answer. Students further their understanding of division as they develop fluency in the use of the standard algorithm to divide multi-digit decimals (**6.NS.B.3**). They make connections to division of fractions and rely on mental math strategies in order to implement the division algorithm when finding the quotients of decimals.

<sup>1</sup>Lesson Structure Key: **P**-Problem Set Lesson, **M**-Modeling Cycle Lesson, **E**-Exploration Lesson, **S**-Socratic Lesson