



## Topic H

# Measurement Word Problems with Multi-Digit Division

**5.NBT.6, 5.NBT.7**

<b>Focus Standard:</b>	5.NBT.6	Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.
	5.NBT.7	Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.
<b>Instructional Days:</b>	2	
<b>Coherence</b>	<b>-Links from:</b>	G4–M3 Multi-Digit Multiplication and Division
	<b>-Links to:</b>	G6–M2 Arithmetic Operations Including Division of Fractions

In Topic H, students apply the work of the module to solve multi-step word problems using multi-digit division (**5.NBT.6**). Cases include unknowns representing either the group size or number of groups. In this topic, an emphasis on checking the reasonableness of their solutions draws on skills learned throughout the module, which includes using knowledge of place value, rounding, and estimation. Students relate calculations to reasoning about division through a variety of strategies including place value, properties of operations, equations, and area models.

## A Teaching Sequence Towards Mastery of Measurement Word Problems with Multi-Digit Division

**Objective 1: Solve division word problems involving multi-digit division with group size unknown and the number of groups unknown. (Lessons 28–29)**