

## Lesson 4: Dive Back Into Division

### Standards Alignments

Addressing 5.G.B.3, 5.G.B.4, 5.NBT.B.6

### Teacher-facing Learning Goals

- Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors.

### Student-facing Learning Goals

- Let's estimate and divide.

### Lesson Purpose

The purpose of this lesson is for students to estimate and find whole-number quotients with up to four-digit dividends and two-digit divisors.

In previous units students learned how to find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors. They used strategies based on place value, properties of operations, and the relationship between multiplication and division. In this lesson, students apply these understandings as they decide if a quotient is reasonable and write division expressions for a given quotient. If students need additional support with the concepts in this lesson, refer back to Unit 4, Section B in the curriculum materials.

### Access for:

#### Students with Disabilities

- Action and Expression (Activity 2)

### Instructional Routines

MLR7 Compare and Connect (Activity 2), Notice and Wonder (Warm-up)

### Materials to Gather

- Tools for creating a visual display: Activity 2

### Lesson Timeline

Warm-up

10 min

### Teacher Reflection Question

In tomorrow's lesson, students revisit an algorithm for division that records partial quotients. How did the mathematics in today's

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Activity 1	15 min
Activity 2	20 min
Lesson Synthesis	10 min
Cool-down	5 min

lesson prepare students for using the partial quotients algorithm?

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## Cool-down (to be completed at the end of the lesson)

🕒 5 min

Estimate and Evaluate

### Standards Alignments

Addressing 5.NBT.B.6

### Student-facing Task Statement

1. Estimate the value of  $540 \div 15$ .
2. Find the value of the quotient.

$$540 \div 15$$

### Student Responses

1. Sample responses: 30 or 40 or a number in between.
2. 36