Lesson 20: Strategies for Dividing

Standards Alignments

Addressing   3.OA.B.5, 3.OA.C.7

Teacher-facing Learning Goals

- Analyze strategies for representing and reasoning about division.
- Divide within 100 using strategies based on place value and properties of operations.

Student-facing Learning Goals

- Let's use different strategies to divide.

Lesson Purpose

The purpose of this lesson is for students to analyze representations and strategies for finding quotients with larger numbers and to divide within 100.

Previously, students use base-ten blocks, diagrams, and other representations or strategies to reason about division within 100. In this lesson, they extend and formalize this work to include writing a series of equations to find the value of a quotient.

In analyzing various strategies to represent division, students reinforce their understanding of place value, properties of operations, and the relationship of multiplication and division.

Access for:

♿ Students with Disabilities

- Representation (Activity 2)

🌐 English Learners

- MLR8 (Activity 1)

Instructional Routines

Number Talk (Warm-up)

Materials to Gather

- Base-ten blocks: Activity 2

Materials to Copy

- Centimeter Grid Paper - Standard (groups of 2): Activity 2
- Compare Stage 4 Division Cards (groups of 2): Activity 3

Lesson Timeline

Warm-up	10 min
Activity 1	15 min
Activity 2	15 min
Activity 3	10 min
Lesson Synthesis	5 min
Cool-down	5 min

Teacher Reflection Question

Who has been sharing their ideas in class lately? Make a note of students whose ideas have not been featured in class and look for an opportunity for them to share their thinking in tomorrow's lesson.

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

🕐 5 min

One More Division

Standards Alignments

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Student-facing Task Statement

Find the value of $96 \div 6$. Explain or show your reasoning.

Student Responses

16. Sample responses:

- A drawing showing 6 groups with 1 ten and 6 ones in each group.
- I know that 10×6 is 60 and 6×6 is 36, and $60 + 36 = 96$. $10 + 6 = 16$.