

Unit 4 Overview

Multiplication and Division with 0–5, 9, and 10

THIS UNIT USES THREE models to introduce students to multiplication and division: repeated groups, arrays, and area. The lessons emphasize the inverse relationship between multiplication and division: division undoes multiplication and vice versa. Through daily in-class and at-home practice and assessment, students will develop fluency with multiplication and division. This unit covers multiplication and divisions with 1, 2, 3, 4, 5, 9, and 10.

The collage includes several worksheets:

- Study Sheet A:** Contains multiplication and division facts for 5s, 10s, 2s, and 9s, along with 'Count-bys' and 'Mixed Up' sections.
- Check Sheet 2: 10s and 9s:** A grid of multiplication and division problems for 10s and 9s.
- Check Sheet 1: 5s and 2s:** A grid of multiplication and division problems for 5s and 2s.
- Mathematical Models:**
 - A standard multiplication algorithm for $4 \times 9 = 36$.
 - A repeated groups model showing 4 groups of 9.
 - An array model showing a 4x9 grid of dots.