

Multiplication and Division with Units of 2, 3, 4, 5, and 10

The big ideas for each grade level define the critical areas of instructional focus and connect to the four content connections. Curriculum built around big ideas and content connections helps students experience the coherence and interconnectedness of mathematics across content domains and grade levels.

Multiplication and Division with Units of 2, 3, 4, 5, and 10 deepens students' conceptual understanding by creating clear connections between two big ideas for Grade 3: **Patterns in Four Operations** and **Number Flexibility to 100 for All Four Operations**.

In Module 1, students use their number sense and number flexibility to relate repeated addition, equal groups, and arrays to multiplication and division. With a focus on units of 2, 3, 4, 5, and 10, students use the commutative and distributive properties as strategies to multiply, and they write expressions with three factors as a foundation of the associative property. Students express division as both unknown factor problems and division equations and break apart and distribute the total to divide. They use their understanding of the patterns in addition, subtraction, multiplication, and division to reason about and solve one- and two-step word problems.

Content Connections	Big Ideas
Exploring Changing Quantities	Patterns in Four Operations
Exploring Changing Quantities	Number Flexibility to 100 for All Four Operations

