MP2d-Factors & Multiples

Content Area: **Mathematics**
Course(s): **Math 4 Resource Room**
Time Period: **Marking Period 2**
Length: **MP2 Topic 7 7-1 to 7-5**
Status: **Published**

Essential Questions

- How can you use arrays or multiplication to find the factors of a number?
- How can you identify prime and composite numbers?
- How can you find multiples of a number?

Big Ideas

- **Factors and Factor Pairs:** Students are given a number and they use reasoning to find factor pairs.
- **Prime and Composite Numbers:** Students are introduced to whole numbers greater than 1 as either prime or composite.
- **Multiples:** Students determine whether a given whole number is a multiple of a given 1-digit number. They also see how a multiplication chart can help them find multiples.
- **Relationships Between Factors and Multiples:** Introduce the relationships between factors and multiples.

Enduring Understandings

Operations and Algebraic Thinking

4.OA.B.4[M] Find all factor pairs for a whole number in the range 1–100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1–100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1–100 is prime or composite.

Mathematical Practices Focus

8. Look for and express regularity in repeated reasoning