# MP2d-Factors \& Multiples 

Content Area: Course(s): Time Period: Length: Status:

Mathematics
Math 4 Resource Room
Marking Period 2
MP2 Topic 7 7-1 to 7-5
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.
8. Look for and express regularity in repeated reasoning

