

4th Grade

Units 3, 4, & 7:

Numbers, Products, Factors, and Divisibility

Learning Targets:



- connect multiplication and division to rectangular arrays
- identify prime, composite, and square numbers
- find all the factors of a number
- understand and apply the Commutative Property of multiplication and addition
- find products of more than two factors
- use factor trees to find the prime factorization of a number
- solve problems involving multiples, factors, prime, and square numbers
- determine whether a number is a factor, multiple, product, or divisible by another number
- represent repeated multiplication using exponents and change exponents to expanded form
- represent positive and negative integers on a number line
- complete simple addition and subtraction problems with integers
- solve problems using the standard “Order of Operations”
- use divisibility rules to decide if a number is divisible by: 2, 3, 4, 5, 6, 9, or 10.

Key Vocabulary:

array

base

Commutative Property

composite number

cube

divisible

divisor

even

exponent

factor

factor tree

integer

multiple

negative

odd

Order of Operations

positive

prime

prime factor

prime factorization

product

square

