

Factor: A _____ of a product, that, when multiplied by other _____, results in the entire _____.

Multiple: The _____ of a number and any _____.

Prime number: A _____ with exactly two _____, one and itself.

Composite number: A _____ that is exactly divisible by at least one _____ other than one and itself.

Finding multiples:

Find the first five positive multiples of 6:

Find the first seven multiples of 9:

Finding factors:

UT method for identifying **all** factors:

List all factors of each of the following numbers in ascending order.

24

90

113

336

Prime factorization:

The Fundamental Theorem of Arithmetic: Every integer greater than one is either a prime number itself or the product of prime numbers.

Find the prime decomposition of each number in expanded and exponential forms.

24

prime decomposition (expanded):
prime decomposition (exponential):

90

prime decomposition (expanded):
prime decomposition (exponential):

113

prime decomposition (expanded):
prime decomposition (exponential):

336

prime decomposition (expanded):
prime decomposition (exponential):