

Math Review

* Prime and Composite Numbers

A Prime Number is a number that has only two factors: 1 and itself
For example 2, 3, 5, and 11 are prime numbers.

A Composite Number is a number that has 3 or more factors. For example, 6 is a composite number ($1 \times 6 = 6$ and $2 \times 3 = 6$) \Rightarrow The number 6 has four factors (1,2,3,6) so it is a composite number.

* Factors

Factors are the numbers that you multiply together to get a number.
For example: $1 \times 8 = 8$ and $2 \times 4 = 8 \Rightarrow$ The factors of 8 are 1, 2, 4, 8.

OR



A factor can also be defined as a whole number that divides another whole number without a remainder.

For example: 2 is a factor of 8 because 2 divides 8 without a remainder.
 $8 \div 2 = 4$ and $8 \div 1 = 8$. Therefore, 1, 2, 4, 8 are factors of 8.

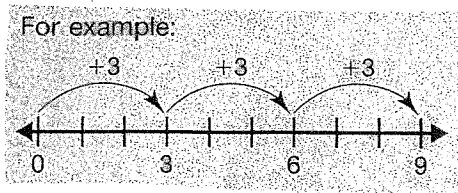
* Multiples

A multiple is a number that is the product of two factors.

For example: 9 is a multiple of 3 because $3 \times 3 = 9$

To find the multiples of a number, use skip counting or multiplication.

For example:



or $3 \times 1 = 3$
 $3 \times 2 = 6$
 $3 \times 3 = 9$
 $3 \times 4 = 12$
and so on.

\rightarrow These are the multiples

The multiples of 3 are 3, 6, 9, 12, ...