Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_\_\_\_\_

Prime vs. Composite Numbers

## Learning Target: I can determine the GCF of 2 or more whole numbers.

**Learning Objective**: I can distinguish between prime and composite numbers.

**(1) Prime Number:**

A number larger than 1, that can only be evenly \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by the numbers 1 and itself

Now, using our math vocabulary:

A number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than 1, whose only \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are 1 and itself.

Examples:

* 37 is a prime number. The only factors of 37 are: 1, 37
* 11 is a prime number. The only factors of 11 are: 1, 11
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**(2) Composite Number:**

A number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than 1 that can be divided by numbers other than

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Now, using our math vocabulary:

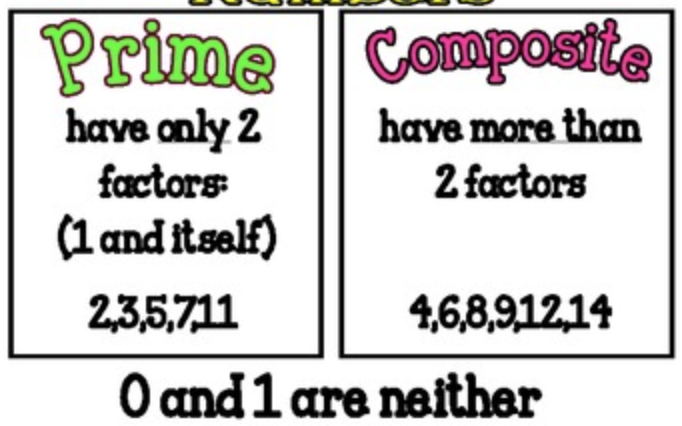
A number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than 1 who has more than 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examples:

* 63 is a composite number. The factors of 63 are: 1, 3, 7, 9, 21, 63
* 40 is a composite number. The factors of 40 are: 1, 2, 5, 8, 20, 40
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Prime Numbers up to 100 are:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2** | **3** | **5** | **7** | **11** | **13** | **17** | **19** | **23** | **29** | **31** | **37** | **41** | **43** | **47** | **53** | **59** | **61** | **67** | **71** | **73** | **79** | **83** | **89** | **97** |



Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_\_\_\_\_

Prime vs. Composite Numbers

## Learning Target: I can determine the GCF of 2 or more whole numbers.

**Learning Objective**: I can distinguish between prime and composite numbers.

**(1) Prime Number:**

A number larger than 1, that can only be evenly ***divided*** by the numbers 1 and itself

Now, using our math vocabulary:

A number ***greater*** than 1, whose only ***factors*** are 1 and itself.

Examples:

* 37 is a prime number. The only factors of 37 are: 1, 37
* 11 is a prime number. The only factors of 11 are: 1, 11
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**(2) Composite Number:**

A number ***larger*** than 1 that can be divided by numbers other than

***1*** and ***itself***

Now, using our math vocabulary:

A number ***greater*** than 1 who has more than 1 ***factor pair***

Examples:

* 63 is a composite number. The factors of 63 are: 1, 3, 7, 9, 21, 63
* 40 is a composite number. The factors of 40 are: 1, 2, 5, 8, 20, 40
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Prime Numbers up to 100 are:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2** | **3** | **5** | **7** | **11** | **13** | **17** | **19** | **23** | **29** | **31** | **37** | **41** | **43** | **47** | **53** | **59** | **61** | **67** | **71** | **73** | **79** | **83** | **89** | **97** |

