Factors and Prime and Composite Numbers

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## Factors of a Number

Every number has factors.
-Lets's look at 12 -What numbers can be multiplied to make 12?

## Finding Factors


-What are the factors of 6?

- What are the factors of 8?
- What are the factors of 18?


## Factors of 24 using the Rainbow method



## Factors of 24

Start at the lowest possible factor (1) and find partners!



## Prime and Composite

What are the factors of 5 ?

What are the factors of 13 ?


## Prime Numbers

- These numbers are called PRIME numbers.
- A PRIME number is any number that has only TWO factors ----- $1 \times$ itself.
- $5=1 \times 5$
-13 = $1 \times 13$
- Can you think of other prime numbers?


## Common Factors

What factors do 12 and 18 have in common?

Which of these common factors is the greatest?

Mathematicians call this the GCF Greatest Common Factor. It's a good thing to know!

## Find the GCF for 20 and 35.

1. Find the factors of 20 .

STEP 1
3. Find the common factors.
2. Find the factors of 35 .

## STEP 2

4. Which one is the GCF?

STEP 3
STEP 4

