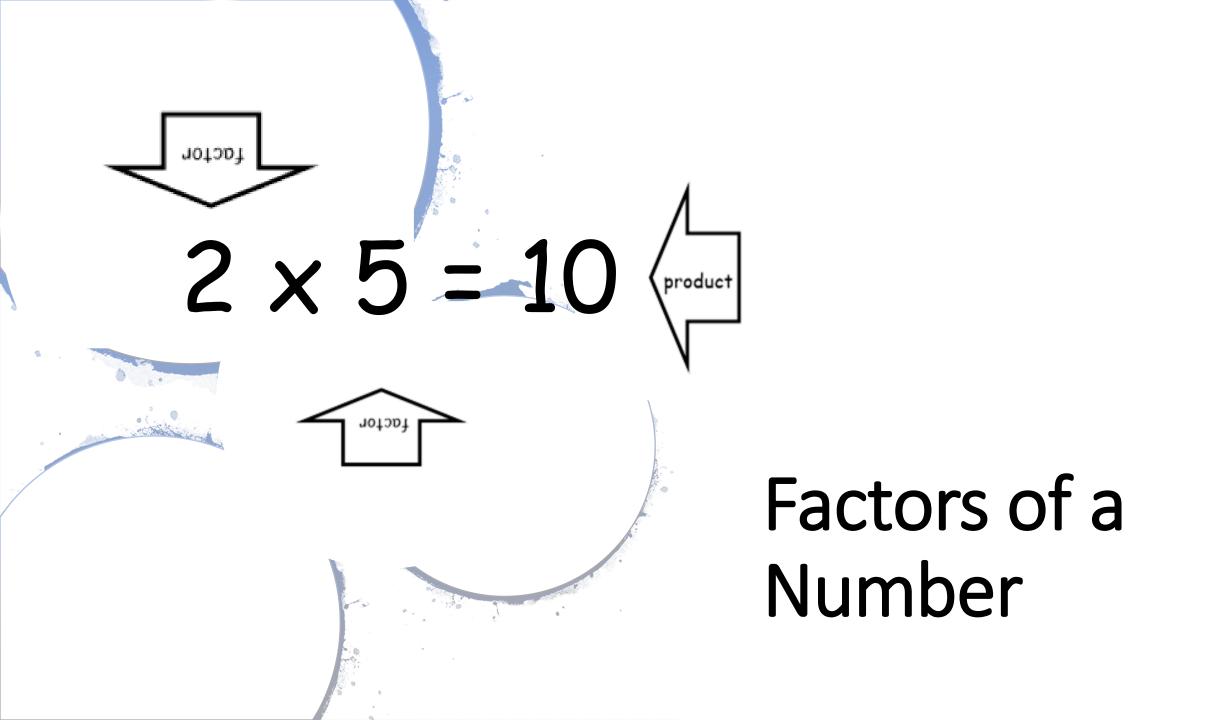
Factors and Prime and Composite Numbers

Math-Ms.Harrietha

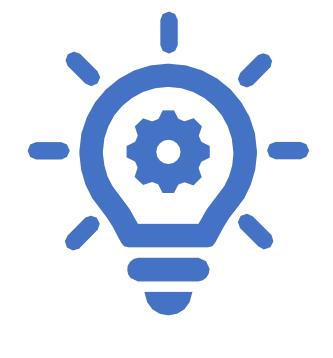




Every number has factors.

•Lets's look at 12 •What numbers can be multiplied to make 12?





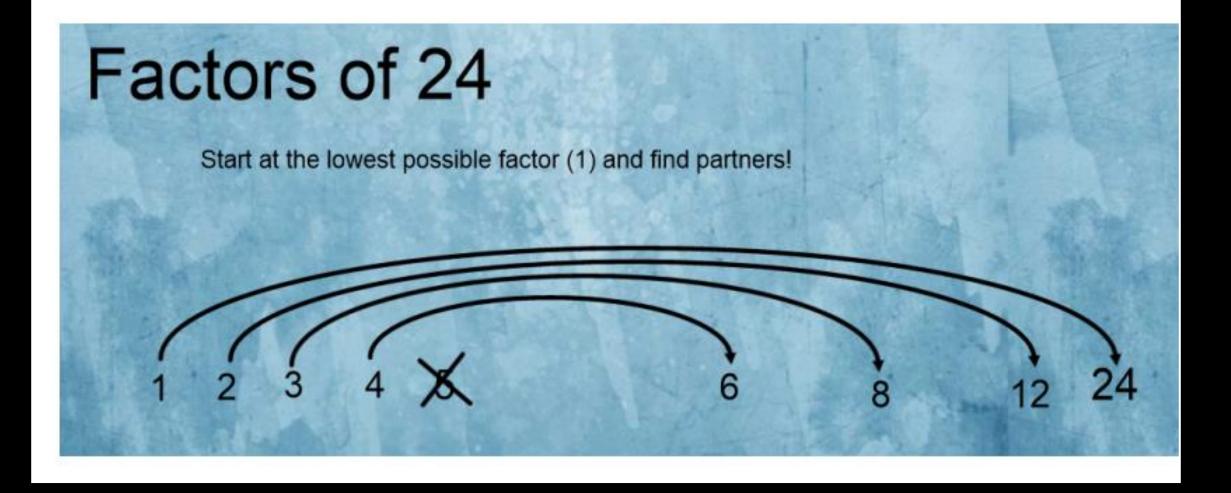
•What are the factors of 6?

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

Factors of 24 using the Rainbow method

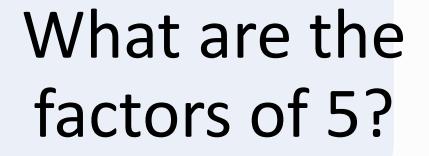
Start at the lowest possible factor (1) and find partners!





Find the factors of 30 using the rainbow method

Prime and Composite



What are the factors of 13?

What do you notice about the factors of 5 and 13?



Prime Numbers

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

Common Factors



What about the factors for 12 and 18?



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.

2. Find the factors of 35.





3. Find the common factors.

STEP 3

4. Which one is the GCF?

