

Name: \_\_\_\_\_  
Ms. Napolitano

Homework

Date: \_\_\_\_\_  
Mathematics

Score:

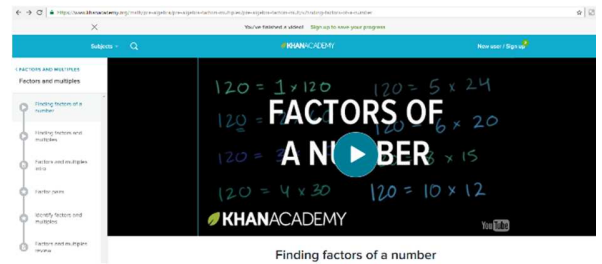
**Directions:** For this activity you will be watching videos on Khan Academy and answering the assigned questions on the back of this sheet!

Directions:

1. Go to:  
<https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-factors-mult/v/finding-factors-of-a-number>

2. Watch the following videos on the tab on the right hand side.

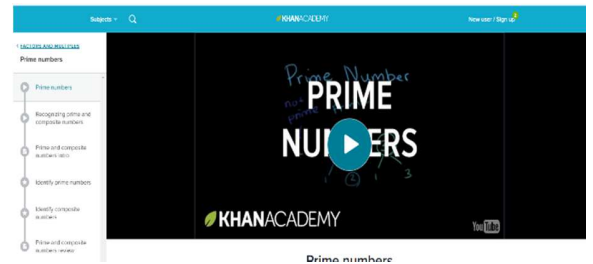
- Finding Factors of a number
- Finding Factors and multiples intro
- Factor Pairs
- Identify Factors and Multiples
- Factor and Multiples Review



3. Go to:  
<https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-prime-numbers/v/prime-numbers>

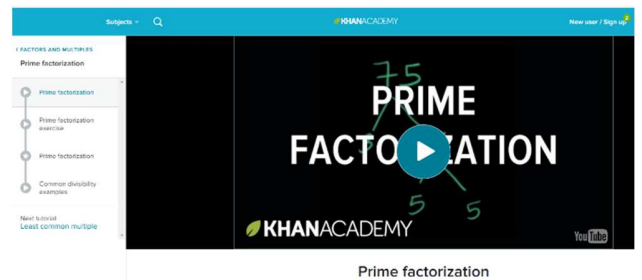
4. Watch the following videos on the tab on the right hand side.

- Prime Numbers
- Recognizing prime and composite numbers intro



5. Go to:  
<https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-prime-factorization-prealg/v/prime-factorization>

- Prime Factorization
- Prime factorization exercise
- Common Divisibility examples



6. Watch all of the assigned videos and answer the questions on the back of this page.
7. All work is due on **Monday September 26<sup>th</sup>** and will be graded accordingly. Please show your work and watch the videos so you are pre-pared for class.

Questions	Answer(s)
1. What are the factors of 120?	
2. What are the factors of 18?	
3. What are the factors of 22?	
4. What are the factors of 4?	
5. What are the multiples of 4?	
6. What are the factors of 14?	
7. What are the multiples of 14?	
8. Is 49 a factor or multiple of 7? Explain your answer.	<hr/> <hr/> <hr/> <hr/>
9. Define a prime number.	
10. Define a composite number.	
11. Which of the following numbers 1, 4, 10, 13, 24, 29, are prime numbers?	
12. Give an example of a prime number explain why it is a prime number.	<p>_____ is a prime number because _____</p> <hr/> <hr/>
13. Give an example of a composite number explain why it is composite.	<p>_____ is a composite number because _____</p> <hr/> <hr/>
14. Find the prime factorization of 75. Write your answer using exponential notation.	
15. Find the prime factorization of 28. Write your answer using exponential notation.	
16. Find the prime factorization of 40. Write your answer using exponential notation.	

