

Name _____ Date _____

Investigating Numbers to 100 using an Interactive Number Chart

<http://www.apples4theteacher.com/math/games/100-number-chart-one.html>

Prime Number: any number with **exactly 2** factors (1 and itself)

Composite Number: any number with 3 or more factors

1. Choose the first color (TURQUOISE) and click all of the **even numbers** between 1 and 100. Because these were all EVEN numbers, we know they are also all multiples of _____.

Describe the pattern that has been created in the number chart:

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2. Choose the second color (HOT PINK) and click all of the numbers that are multiples of 3. Describe the new pattern that has been created in the number chart:

3. Choose the third color (PURPLE) and click all the numbers that are multiples of 4. Describe the new pattern that has been created in the number chart:

4. Choose the fourth color (AQUA) and click all the numbers that are multiples of 5. Describe the new pattern that has been created in the number chart:

5. Choose the fifth color (LIGHT PINK) and click all the numbers that are multiples of 6. Describe the new pattern that has been created in the number chart:

6. Choose the ninth color (ORANGE) and click all the numbers that are multiples of 7. Describe the new pattern that has been created in the number chart:

7. Choose the fourteenth color (VIOLET) and click all the numbers that are multiples of 8. Describe the new pattern that has been created in the number chart:

8. Choose the fifteenth color (LIGHT BLUE) and click all the numbers that are multiples of 9. Describe the new pattern that has been created in the number chart:

List the numbers that are still in **white** boxes: _____

All the numbers in white boxes **EXCEPT the number 1** are PRIME numbers. Why is that true?

Circle the answer: The number 1 is PRIME COMPOSITE NEITHER

List any other numbers between 1 and 10 that are PRIME numbers: _____

What has to be true for a number to be a composite number? _____