Name _____ Date _____ Block ____ Log # ____

Using My Prime Number Chart

DIRECTIONS: Use your prime number chart to answer the following questions.

1. List the ***prime*** numbers between 60 and 70: _____

2. List the ***composite*** numbers between 70 and 80: _____

3. If a number is a multiple of 7, it will be divisible by ____.

4. Is 126 divisible by 7? _____ How can you tell by looking at your prime number chart?

   _____

5. If a number is a multiple of 13, it will be divisible by _____.

6. Is 182 divisible by 13? How can you tell by looking at your prime number chart?

   _____

7. List the first 7 multiples of 6: _____, _____, _____, _____,_____, _____,_____

8. Look at these numbers on your prime number chart. How are each of them marked?
   Why do you think this is so? _____

   _____

   _____

9. List all the even prime numbers: _____
   What do you notice? Why do you think this is so? _____

   _____

10. How can you use your prime number chart to determine if a number is divisible by 15?

    _____

    _____

11. Find a number between 131 and 140 that is divisible by 15. _____

12. How can you use your prime number chart to determine if a number is divisible by 21?

_____

_____

13. Circle the number that is NOT divisible by 21: 147, 168, 184

14. What is the first number that is divisible by both 6 & 7? _____

15. Find all other numbers on the chart that are also divisible by 6 & 7. _____
What do you notice? _____

_____

_____

16. Express 30 as the ***product*** of three prime numbers. _____

17. Express 30 as the ***sum*** of three prime numbers. _____

18. Why is the number 1 neither prime nor composite? _____

19. Is there a 3-digit prime number that uses each of the digits 6, 7., and 8? _____
Why or why not? (**Hint:** think about your divisibility rules) _____

_____

_____

_____

20. The number 201 is not on your chart. Will it be prime or composite? _____
Explain how you know._____

_____

_____