

NAME: _____ Mr. Hoffman classwork

Divisibility: The ability of a whole # to divide evenly into another whole #. (no remainder). Tells you if a number is a **FACTOR** of another number.

Example: 10 is **DIVISIBLE** by 2, 5, 10

You do → 24 is **DIVISIBLE** by _____

DIVISIBILITY RULES for telling if a # can go into another # evenly.

a # is divisible by...	<p style="text-align: center;">If the ... (test for divisibility)</p>	Examples
2	one's place is a <u> </u> , <u> </u> , <u> </u> , <u> </u> , <u> </u> , or <u> </u>	4 48 2,770
5		
10		
3		
6		
4		

Try It! (circle all that apply)

Which of these numbers is 5,435 divisible by? 2, 3, 4, 5, 6, 10

Name: _____ red 6

tip: find the sum of the digits first and write it!

“Breakin’ The (Divisibility) Rules” **H.W.**

PART A

Put
sum
here

- You need 2 different color writing utensils for this cool H.W.
- Write “N” (for No) in 1 color, and “Y” (for Yes) in a different color.
- Use your divisibility rules on the back to help if you need.

Number	Divisible by?					
	2	3	4	5	6	10
39						
111						
807						
600						
11,000						
3,405						
36,423						
2600						
1,011						
2,350,000						
2,147						
1,105,020						
7,688						

SELF-CHECK: There are 33 Y’s in the chart above! Go check.

PART B Create a new 5 digit number that is divisible by 4 _____

PART C Circle the numbers that 6,777,000 is divisible by: 2, 3, 4, 5, 6, 10

PART D Create an 8 digit number that is divisible by 2, 3, 4, 5, 6, 10
