

NAME: _____ Mr. Hoffman classwork

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

Example: 10 is DIVISIBLE by 1, 2, 5, 10

You do → 24 is DIVISIBLE by _____

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

a # is divisible by...	If the ... (test for divisibility)	THREE Examples
2	one's place is a <u> , , , </u> , or	48 2,770
5		
10		
3		
6		
9		
4		

Circle all the numbers that 5,435 divisible by: 1, 2, 3, 4, 5, 6, 9, 10

Name: _____ Mr. Hoffman yellow 6 2023

“Breakin’ The (Divisibility) Rules” **HOMEWORK**

PART A

- Write a capital “Y” if the **NUMBER** is divisible, and a lowercase “n” if it is not!
- Use your divisibility rules on the back to help if you need.

NUMBER	Divisible by?							
	sum	2	3	4	5	6	9	10
2,405								
39								
600								
57								
111								
2600								
1,011								
51								
2147								
7,688								

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: 1, 2, 3, 4, 5, 6, 9, 10

PART D Create an 8 digit number that is divisible by 1, 2, 3, 4, 5, 6, 9, 10

PART E Is 87 divisible by 3? Say yes or no and how you know without doing division:

PART F In the five digit number **56A2B** replace the **A** and **B** with a digit so the five digit number is now divisible by 2, 3, and 6. My number is → _____

**If I come to class without my math hw, my quarter avg goes down by _____pt each time.
Each time I am not prepared for math class, my 5/5 prep grade goes down _____pt.**

PART G Go to HOFFKIDS, Zone 4 Math LINKS, Do Math Potato M405.
“Divisibility Rules Drop Downs.” Has a 4 min limit-good luck!