

# Middle School 137 - 6<sup>th</sup> Grade

## Unit 1 - Numbers Benchmark Task

Name: \_\_\_\_\_

Class: \_\_\_\_\_



### Factor Frenzy



Number	Factors	Amount of Factors		Number	Factors	Amount of Factors
1	1	1		9		
2	1, 2	2		10		
3	1, 3	2		11		
4	1, 2, 4	3		12		
5	1, 5	2		13		
6				14		
7				15		
8				16		

**Part A:** Complete the chart above.

**Part B:** Complete the table below using numbers from the chart.

Numbers with exactly two factors	Numbers with more than two factors	Numbers with an odd amount of factors
These are called	These are called	These are called

**Part C:**

Use any method to find the greatest common factor of 54 and 72.

**Part D:**

Fred thinks the answer to Part C is 6. Betty thinks it's 18. Barney thinks 9. Wilma says 12. With whom do you agree and why? Use math to justify your answer.