DIVISIBILITY RULES

Divisible means that a number goes into a number evenly without a remainder.

1. A number is divisible by 2 if the *last digit of the number is 2, 4, 6, 8, or 0*. So, 24,628 is divisible by 2 since the last digit is an 8.

2. A number is divisible by 3 if *the sum of the digits is divisible by 3*. So, 12,345 is divisible by 3 since the sum of the digits (1+2+3+4+5) is 15, which is divisible by 5.

3. A number is divisible by 4 if *the last two (2) digits is divisible by 4*. So 148,236 is divisible by 4 since the last digits form the number 36, which is divisible by 4.

4. A number is divisible by 5 if *the last digit of the number is a 5 or 0*. So, 1,367 is NOT divisible by 5 since the last number is not a 5 or 0.

5. A number is divisible by 6 if *the number is divisible by 2 and 3.* So, 234 is divisible by 6 since the last digit is a 4 (divisible by 2) and the sum of the digits is 9 (divisible by 3).

6. A number is divisible by 8 if *the last three digits are divisible by 8.* So, 16,120 is divisible by 8 since the last 3 digits form the number 120, which is divisible by 8 (120÷8=15).

7. A number is divisible by 9 if *the sum of the digits is divisible by 9.* So, 12,366 is divisible by 9 since the sum of the digits is 18, which is divisible by 9.

8. A number is divisible by 10 if *the last digit of the number is 0*. So, 123 is NOT divisible by 10 since the last digit is a 3, not a 0.