Name _____

Divisibility Detective: Cracking the Code of Divisibility Rules

Multiple Choice Questions

1. How can you tell if a number is divisible by 2?

a) Its last digit is odd

b) Its last digit is even

c) Its first digit is even

d) It has no repeating digits

2. What is the divisibility rule for determining if a number is divisible by 3?

a) The sum of its digits is even

b) The sum of its digits is odd

c) The sum of its digits is divisible by 3

d) The sum of its digits is less than 3

3. How can you determine if a number is divisible by 4?

a) The number formed by its last two digits is divisible by 4

b) Its last digit is odd

c) Its last digit is even

d) The number formed by its last two digits is divisible by 2

4. What is the divisibility rule for determining if a number is divisible by 5?

a) Its last digit is even

b) Its last digit is odd

c) Its last digit is 0 or 5

d) Its last digit is 0 or 4

5. When is a number divisible by 6?

a) When it is divisible by 3

b) When it is divisible by 2

c) When it is divisible by 4

d) When it is divisible by both 2 and 3