NAME_____

Module 1 **Number Sense**
Lesson 2 **Divisibility Rules**

Lesson Notes 1.2

Lesson Objective

- Use divisibility rules to determine if a number is a factor of another number (2, 3, 4, 5, 6, 9, and 10).

Subtopic 1, 2 & 3 Divisibility by 2, 4, 5 & 10

A number is _____ by another number if after dividing, the remainder is _____.

Divisibility Rules

- A number is divisible by 2 if the last digit is _____.
- A number is divisible by 5 if the last digit is ___ or ___.
- A number is divisible by 10 if the _____ _____ is 0.
- A number is divisible by 4 if the last _____ _____ are divisible by 4.

1 Is 546 divisible by 2, 5, or 10?

2 Is 430 divisible by 2, 5, or 10?

3 Is 425 divisible by 2, 4, 5, or 10?

4 Is 636 divisible by 2, 4, 5, or 10?

Subtopic 4 & 5 Divisibility by 3, 6 & 9

Divisibility Rules

- A number is divisible by 9 if and only if the _____ of its digits is ____.
- A number is divisible by 3 if and only if the _____ of its digits is _____.
- A number is divisible by 6 if and only if it is divisible by ____ and by ____.

5 Is 876 divisible by 2, 3, 4, 5, 6, 9, or 10?