

## Divisibility Pattern for 2

-The number must be even.
-The last digit is $0,2,4,6$, or 8 . - Write a 4-digit number that is divisible by 2.

## Divisibility Pattern for 4

-The number must be even.
-The last two digits must be divisible by 4. (00, 04, 08, 12, 16, 20, 24, 28, 32, 36...)

- Write a number that is a multiple


## Divisibility Pattern for 5

-The last digit of the number must be 5 or 0 .

- Write a 4-digit number that is a multiple of 5.


## Divisibility Pattern for 10

-The last digit of the number must be a 0 .
-Write a 4-digit number that is a multiple of 10.

## Divisibility Pattern for 6



- Decompose 6 into its factors to find the pattern.
-The number must be divisible by 2 AND 3.


## Divisibility Pattern for 8

-The last THREE digits of the number must be divisible by 8. (008, 016, 024, 032...)

## Divisibility Pattern for 3

- Show 36 using your Cuisenaire rods.
- Write a number sentence which shows the model.


## Divisibility Pattern for 3

-Replace the 10 s with a 1-rod and a 9-rod.
-Draw this model in your notes.

- Write a number sentence to show this new model.


## Divisibility Pattern for 3

- Use 3 -rods to show that 9 is divisible by 3.
- Use 3 -rods to show that 6 is divisible by 3.


## Divisibility Pattern for 3

## $3(1+9)+6=$

$3(1)+3(9)+6=$

## Divisibility Pattern for 3

3

## $+$

$6=$

## Divisibility Pattern for 3

-The sum of all digits is
divisible by 3.
-2,035
$\cdot 3,252$

## Divisibility Pattern for 9

-The sum of all digits is divisible by 9. -1,035
$\cdot 2,556$

## Divisibility Pattern for 7

- Take the last digit in a number.
-Double and subtract the last digit in your number from the rest of the digits.

