Divisibility Rules

You can use special rules to find out if the number is divisible by another number.

A number is divisible by	If	Example
2	The last digits is 2, 4, 6, 8 or 0	456. The last digit is 6
3	The sum of digits is divisible by 3.	
4	The number formed by the last two digits is divisible by 4.	
5	The last digit is 0 or 5	45. The last digit is a 5.
10	The last digit is 10.	50. The last digit is a 0.
25	The last digits must be 00, 25,50, or 75	3,250. The last two digits are 50.

Examples:

A – Tell whether 360 is divisible by 2, 5, 10, or 25.

➢ 360 is divisible by 2 because the last digit is even.

360 is divisible by both 5 and 10 because the last digit is 0.

➢ 360 is not divisible by 25 because the last digits are not 00, 25, 50, or 75.

So, 360 is divisible by 2, 5, and 10.

B- Tell whether the number is divisible by 2, 3, 4, or 10.
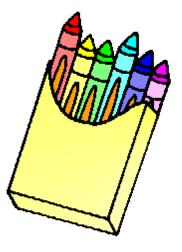1) 642

 2, 3

2) 440

2, 4, 10

3) 576

2, 3, 4

Leila has 64 crayons. She needs to place each 10 in a box. Will Leila have crayons outside the box?

64 ÷ 10 = 6 boxes and the remaining are 4.