

## Worksheet Number (1)

Grade & Section: Grade Seven ( )

Unit: 1

Student's Name: \_\_\_\_\_

Date: / /2025

Skill/Lesson: Divisibility Rules (2,3,4,5,6,8,9,10)

### Divisibility by 2:

If the last digit of a number is even then the number is divisible by 2.

### Divisibility by 5:

If the last digit of a number is 5 or 0 then the number is divisible by 5.

### Divisibility by 10:

If the last digit of a number is 0 then the number is divisible by 10.

### Divisibility by 3:

If the sum of the digits of a whole number is a multiple of 3 then the number is divisible by 3.

### Divisibility by 9:

If the sum of the digits of a whole number is a multiple of 9 then the number is divisible by 9.

### Divisibility by 6:

If the number is divisible by 2 and 3 at the same time then the number is divisible by 6.

### Divisibility by 4:

Multiply the tens digit by 2 and add the sum of this product the ones digit.

If the sum is divisible by 4 then the number is divisible by 4.

### Divisibility by 8:

Multiply the hundreds digit by 4 and the tens digit by 2. Add these products to one's digit.

If the sum is divisible by 8 then the number is divisible by 8.

**Divisibility  
Rules**

- John has 135 candies and wants to distribute them equally among his 5 friends. Can he do this without breaking any candies? Explain why or why not?

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- A charity organization collected 360 canned goods and wants to pack them into boxes, each holding 6 cans. How many boxes are needed? Are the number of boxes needed divisible by 3?

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- For a school project, there are 600 sheets of paper to be divided equally among 25 students. How many sheets will each student get? Is the number of sheets each student gets divisible by 8?

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- Write (✓) if the number is divisible by any of the numbers below:

	2	3	4	5	6	8	9	10
25410								
335622								
51464								
735840								
985								
32130								
698656								
1800								

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**GOOD LUCK 😊**