



**INOGENCIO SCHOOL** *Montessori Playphool*  
**INOGENCIO INTEGRATED SCHOOL**  
*"That every child finds joy and love for learning."*  
# 1080 Dona Andrea I Subd., Bernal St. Rosario, Pasig City  
Contact nos.: 6407337 / 6402009

**FIRST SUMMATIVE EVALUATION**  
**MATHEMATICS 10**  
Prepared by: Mr. Ravy G. Galopo

Name: \_\_\_\_\_ Rating:      / 50  
Grade and Section: \_\_\_\_\_ Date: \_\_\_\_\_

**TEST I.**

**A. Write TRUE if the statement is correct and FALSE if it is incorrect.**

- \_\_\_\_ 1. 1.625 is an irrational number.
- \_\_\_\_ 2.  $9/11$  is not a whole number but it is a rational number.
- \_\_\_\_ 3. Zero is not an integer.
- \_\_\_\_ 4. 3.31662479... is an irrational number.
- \_\_\_\_ 5. 0.333... is a rational number.
- \_\_\_\_ 6.  $2 \in \{1, 3, 5\}$
- \_\_\_\_ 7. All irrational numbers are real numbers.
- \_\_\_\_ 8. The intersection between rational and irrational sets of numbers is zero
- \_\_\_\_ 9.  $3 \in \{1, 2, 3\}$
- \_\_\_\_ 10. The quotient of any number by zero is zero.

**B. Determine which properties of real numbers are applied in each statement.**

The properties of real numbers are:

- a. Commutative property of multiplication
- b. Commutative property of addition
- c. Associative property of addition
- d. Associative property of multiplication
- e. Additive identity
- f. Additive inverse
- g. Multiplicative identity
- h. Multiplicative inverse
- i. Distributive property

\_\_\_\_\_ 11.  $2x(2 - y) = 4x - 4y$

\_\_\_\_\_ 12.  $(2 \cdot 5) \cdot 9 = (5 \cdot 2) \cdot 9$

\_\_\_\_\_ 13.  $121x \cdot 1 = 121x$

\_\_\_\_\_ 14.  $131 + 0 = 131$

\_\_\_\_\_ 15.  $\frac{1}{41} \cdot 41 = 1$

\_\_\_\_\_ 16.  $45 + 54 = 54 + 45$

\_\_\_\_\_ 17.  $12 \cdot \frac{1}{12} = 1$

\_\_\_\_\_ 18.  $7 + (-7) = 0$

\_\_\_\_\_ 19.  $(4 + 5) + 7 = (5 + 4) + 7$

\_\_\_\_\_ 20.  $(4 \cdot 7) \cdot 9 = 4 \cdot (7 \cdot 9)$

\_\_\_\_\_ 21.  $-\frac{7}{5} \cdot (-\frac{5}{7}) = 1$

\_\_\_\_\_ 22.  $143 + 0 = 143$

\_\_\_\_\_ 23.  $5 \cdot (6 \cdot 9) = 5 \cdot (9 \cdot 6)$

\_\_\_\_\_ 24.  $14(23 + 34) = 14 \cdot 23 + 14 \cdot 43$

\_\_\_\_\_ 25.  $125 \cdot 1 = 125$

**C. FILL IN THE BLANKS.** Fill in the blanks with the word *always*, *sometimes*, or *never* to make a true statement.

26. The difference of two negative numbers is \_\_\_\_\_ a negative number.

27. The sum of two negative numbers is \_\_\_\_\_ a negative number.

28. The sum of a positive number and a negative number is \_\_\_\_\_ zero.

29. The sum of two positive numbers is \_\_\_\_\_ zero.

30. The difference between a positive number and zero is \_\_\_\_\_ a negative number.

"Integrity is telling myself the truth. And honesty is telling the truth to other people."

- Spencer Johnson, American Author

**\*\*\*END OF EXAM\*\*\***