

COLEGIO BRITÁNICO INTERNACIONAL

Group	:	7th Grade "A"	Academic Year	:	2024 - 2025
Teacher	:	Ing. Diana Vaca	Date	:	30 - 01 - 2024

1. Which of the following numbers is an irrational number?

- A) $\frac{1}{2}$
- B) π
- C) -7

2. Which set of numbers includes only whole numbers and their opposites?

- A) Natural numbers
- B) Rational numbers
- C) Integers
- D) Irrational numbers

3. What is the probability of an impossible event?

- A) 0
- B) 0.5
- C) 1
- D) Cannot be determined

4. Which number is farthest (more far) to the left on a number line?

- A) -10
- B) -5
- C) 0
- D) 5

5. If a number is between -3 and -2 on the number line, which of the following could it be?

- A) -1.5
- B) -2.5
- C) -3.5

6. What operation should be performed first according to PEMDAS?

- A) Multiplication
- B) Parentheses
- C) Subtraction

7. Which operation has the lowest priority in the order of operations?

- A) Exponents
- B) Multiplication
- C) Division
- D) Addition

8. If two magnitudes are directly proportional, what happens when one increases?

- A) The other increases
- B) The other decreases
- C) The other remains the same
- D) The relationship is unknown

9. In a direct rule of three, we operate in the shape of a:

- A) x
- B) =
- C) >
- D) <

10. What happens when you multiply two negative numbers?

- A) The result is negative
- B) The result is positive
- C) The result is zero
- D) The result depends on the numbers

11. What is the result of adding a negative number and a positive number?

- A) Always negative
- B) Always positive
- C) Depends on the biggest number
- D) Always zero

12. Which of the following is an example of an inverse proportionality?

- A) Distance and time in a car
- B) Number of workers and time needed to complete a job
- C) Price and quantity
- D) Height and weight

13. Placing Values on the Number Line

Which number is closest to zero on the number line?

- A) -5
- B) 1
- C) -0.5
- D) 2