

COLEGIO BRITÁNICO INTERNACIONAL					
Group	:	7th grade "A"	Academic Year	:	2024 - 2025
Teacher	:	Ing. Diana Vaca	Date	:	19 – 03 - 2025
Student's Name	:		Total	:	____ / 10

- What is a negative number?
 - A number less than zero
 - A number greater than zero
 - A fraction
 - A decimal
- Which of the following is the smallest negative number?
 - 1
 - 10
 - 100
 - 0.5
- What happens when you add a negative number to a positive number?
 - The result is always positive
 - The result is always negative
 - It depends on the values of the numbers
 - The result is always zero
- What is the opposite of a negative number?
 - A decimal
 - A fraction
 - A positive number
 - Zero
- What is the rule for adding two negative numbers?
 - Keep the negative sign and add the absolute values
 - Subtract the smaller number from the larger
 - The result is always zero
 - The answer is always positive
- When subtracting 2 negative numbers, what happens?
 - The negative number turns positive
 - The answer is always negative
 - You subtract as usual
 - The answer is always zero
- Which of the following is a correct statement?
 - $-5 - (-3) = -8$
 - $-7 + (-2) = -9$
 - $4 - (-4) = 0$
 - $-6 - (-1) = -7$
- What happens when you multiply two negative numbers?
 - The result is negative
 - The result is positive
 - The result is zero
 - The answer is undefined
- Which of the following is false?
 - $(-8) \times 3 = -24$
 - $(-6) \times (-2) = -12$
 - $5 \times (-5) = -25$
 - $(-4) \times (-3) = 12$
- When dividing a negative number by a positive number, the result is:
 - Always positive
 - Always negative
 - Always zero
 - Always a fraction
- Which of these follows if correct?
 - $5 + 3 \times 2 = 16$
 - $(5 + 3) \times 2 = 16$
 - $4 + (3 \times 2) = 11$
 - $5 \times 3 + 2 = 21$
- In PEMDAS, which operation is performed first?
 - Addition
 - Multiplication
 - Division
 - Subtraction
- The exponent in a power tells you:
 - How many times to add the base
 - How many times to multiply the base by itself
 - How many times to subtract the base
 - The square root of the base
- Which of these represents 3 to the power of 4?
 - 3×4
 - $4 \times 4 \times 4$
 - $3 \times 3 \times 3 \times 3$
 - $3 + 3 + 3 + 3$

15. What is the square root of 81?

- A) 8
- B) 9
- C) 10
- D) 12

16. Which of the following is an ordered pair?

- A) (x, y)
- B) $x + y$
- C) $x \div y$
- D) $x^2 + y^2$

17. What does the first number in an ordered pair represent?

- A) The y-coordinate
- B) The sum of the numbers
- C) The x-coordinate
- D) The distance from the origin

18. The Cartesian plane is divided into:

- A) 2 quadrants
- B) 3 quadrants
- C) 4 quadrants
- D) 5 quadrants

19. In which quadrant is the point $(-3, 5)$ located?

- A) Quadrant I
- B) Quadrant II
- C) Quadrant III
- D) Quadrant IV

20. The x-axis is:

- A) The vertical axis
- B) The horizontal axis
- C) A diagonal line
- D) A curve

21. What is a unitary set?

- A) A set with no elements
- B) A set with exactly one element
- C) A set with infinite elements
- D) A set with only even numbers

22. What is the symbol for an empty set?

- A) \emptyset
- B) $\{\}$
- C) $()$
- D) $[]$

23. If $A = \{1, 2, 3\}$ and $B = \{3, 4, 5\}$, what is $A \cup B$?

- A) $\{1, 2, 3, 4, 5\}$
- B) $\{3\}$
- C) $\{1, 2, 4, 5\}$
- D) $\{1, 2\}$

24. The intersection of two sets contains:

- A) All elements from both sets
- B) Only the elements that appear in both sets
- C) The elements that appear in either set
- D) The elements that appear in neither set

25. If $A = \{2, 4, 6, 8\}$ and $B = \{4, 6, 8, 10\}$, what is $A \cap B$?

- A) $\{2, 4, 6, 8, 10\}$
- B) $\{4, 6, 8\}$
- C) $\{2, 10\}$
- D) $\{\}$

26. What is the universal set?

- A) The set containing all elements under consideration
- B) The set with only one element
- C) The set with no elements
- D) The intersection of two sets

27. A set with only one element is called:

- A) A finite set
- B) A singleton set
- C) A universal set
- D) An infinite set

28. If $A = \{a, b, c\}$ and $B = \{b, c, d\}$, what is $A \cap B$?

- A) $\{a, b, c, d\}$
- B) $\{b, c\}$
- C) $\{a, d\}$
- D) $\{\}$

29. Which of the following represents the union of sets A and B?

- A) $A \cup B$
- B) $A \cap B$
- C) $A - B$
- D) $B - A$

30. A subset is:

- A) A set that contains all elements of another set
- B) A set with no elements
- C) A set that has only even numbers
- D) A set that contains some or all elements of another set