

Fundamentals of Pre-Algebra

Mathematics · Answer Key · 8 Questions

1. What is the value of 2^3 (two raised to the power of three)?

- A) 6
- B) 8**
- C) 9
- D) 12

2. In the order of operations (PEMDAS/BODMAS), which operation is performed first?

- A) Addition
- B) Multiplication
- C) Parentheses/Brackets**
- D) Subtraction

3. What is the mathematical definition of a prime number?

- A) Any number greater than 1
- B) A number divisible only by 1 and itself**
- C) Any odd number
- D) A number that can be divided by 2

4. How many degrees are in the sum of the interior angles of a triangle?

- A) 90
- B) 180**
- C) 270
- D) 360

5. What is the result of multiplying a negative number by a negative number?

- A) A negative number
- B) Zero
- C) A positive number**
- D) An undefined value

6. If a circle has a radius of 5 cm, what is its diameter?

- A) 2.5 cm
- B) 5 cm
- C) 10 cm**
- D) 25 cm

7. Which of these represents the correct way to calculate the area of a rectangle?

- A) Length + Width
- B) $2 * (\text{Length} + \text{Width})$
- C) Length * Width**
- D) Length / Width

8. What is the decimal equivalent of the fraction $\frac{3}{4}$?

- A) 0.25
- B) 0.50
- C) 0.75**
- D) 0.80