

# Elementary Algebra Basics

Algebra · Practice Test · 10 Questions

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**1. In the expression  $3 + x$ , what does the letter 'x' represent?**

- A) A number that is always 5
- B) A symbol for a missing number
- C) The answer to the problem
- D) A type of shape

**2. What is the value of the expression  $2 * y$  if  $y = 4$ ?**

- A) 6
- B) 8
- C) 10
- D) 24

**3. Which of these is an example of an algebraic expression?**

- A)  $10 + 5 = 15$
- B)  $4 * 3$
- C)  $7 - n$
- D) What is 9 divided by 3?

**4. If  $a = 6$ , what is the value of  $a - 2$ ?**

- A) 3
- B) 4
- C) 8
- D) 12

**5. In the equation ' $m + 5 = 12$ ', what is the value of 'm'?**

- A) 5
- B) 7
- C) 17
- D) 60

**6. What does the equal sign ( $=$ ) in an equation mean?**

- A) It means 'greater than'
- B) It means 'less than'
- C) It shows that the two sides have the same value
- D) It indicates a question

**7. If you have 'p' pencils and you get 3 more, how many pencils do you have in total?**

- A)  $p - 3$
- B)  $3p$
- C)  $p + 3$
- D)  $p / 3$

**8. What is the result of the expression  $10 / b$  if  $b = 2$ ?**

- A) 2
- B) 5
- C) 8
- D) 12

**9. If the total cost of 4 identical apples is \$8, how much does one apple cost? Let 'c' be the cost of one apple.**

- A)  $c + 4 = 8$
- B)  $c - 4 = 8$
- C)  $4c = 8$
- D)  $8c = 4$

**10. In the expression  $5 - z$ , what does 'z' represent?**

- A) A fixed value of 5
- B) The operation of subtraction
- C) A placeholder for any number
- D) The final answer