

Elementary Algebra Basics

Algebra · Answer Key · 10 Questions

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