

Q1. What is the result of the expression  $5 + 3 * 2$  in Java?

- a. 16
- b. 11
- c. 13
- d. 10

Answer: b. 11 ■

Q2. Which of the following is the correct operator for bitwise AND in Java?

- a. &&
- b. &
- c. |
- d. ||

Answer: b. & ■

Q3. What is the result of the expression  $10 / 3$  in Java?

- a. 3.33
- b. 3
- c. 4
- d. 3.0

Answer: b. 3 ■

Q4. Which of the following is the ternary operator in Java?

- a. ::
- b. ?:
- c. @
- d. &

Answer: b. ?: ■

Q5. What is the result of the expression  $7 \% 3$  in Java?

- a. 1
- b. 2
- c. 3
- d. 4

Answer: a. 1 ■

Q6. Which of the following operators is used to concatenate two strings in Java?

- a. +
- b. &
- c. |
- d. +=

Answer: a. + ■

Q7. What is the result of the expression `true && false` in Java?

- a. true
- b. false
- c. 0

d. 1

Answer: b. false ■

Q8. Which of the following operators is used for logical OR in Java?

- a. |
- b. &&
- c. ||
- d. &

Answer: c. || ■

Q9. Which of the following is the correct order of precedence (highest to lowest) in Java?

- A. (), \* / %, + -
- B. + -, \* / %, ()
- C. \* / %, (), + -
- D. (), + -, \* / %

Answer: A. (), \* / %, + - ■

Q10. Which operator is used to combine multiple conditions in an if statement in Java?

- a. ||
- b. &
- c. &&
- d. |

Answer: c. && ■

Q11. Which operator is used to perform a logical NOT operation in Java?

- a. ~
- b. !
- c. -
- d. &

Answer: b. ! ■

Q12. What will be the result of the following code? `int x = 5; int y = ++x * 10; System.out.println(y);`

- a. 50
- b. 60
- c. 40
- d. 10

Answer: b. 60 ■

Q13. Which operator is used to compare two values for inequality in Java?

- a. ==
- b. =
- c. !=
- d. <>

Answer: c. != ■

Q14. What is the result of the following expression? `int x = 10; int y = ++x + x++;`  
`System.out.println(y);`

- A. 21
- B. 22
- C. 20
- D. 23

Answer: B. 22 ■

Q15. What is the result of the expression `10 % 4` in Java?

- a. 2
- b. 0
- c. 4
- d. 1

Answer: a. 2 ■

Q16. Which of the following is not a valid operator in Java?

- a. `>>>`
- b. `&=`
- c. `#`
- d. `%`

Answer: c. # ■

Q17. What is the value of the expression `true || false && true` in Java?

- a. true
- b. false
- c. null
- d. 1

Answer: a. true ■

Q18. What is the output? `int x = 5; int y = 10; System.out.println(x < y && y > x);`

- A. false
- B. true
- C. 0
- D. Compilation error

Answer: B. true ■

Q19. Which of these operators has the lowest precedence?

- A. `*`
- B. `+`
- C. `=`
- D. `&&`

Answer: C. = ■

Q20. What is the result of the following expression if `a = 5` and `b = 3`? `int result = a + (b * a) / b;`

- a. 5
- b. 8

- c. 10
- d. 6

Answer: c. 10 ■

Q21. Which operator has the highest precedence in Java?

- A. &&
- B. \*
- C. ++
- D. ()

Answer: D. () ■

Q22. Which operator is used to perform a bitwise OR operation in Java?

- a. ||
- b. |
- c. &
- d. ^

Answer: b. | ■

Q23. What does the expression `a *= b + 5` do in Java?

- a. Sets a to `a * b + 5`
- b. Sets a to `a * (b + 5)`
- c. Sets a to `a + b * 5`
- d. Sets a to `a * b` and adds 5

Answer: b. Sets a to `a * (b + 5)` ■

Q24. What is the result of the expression `5 & 3` in Java?

- a. 7
- b. 1
- c. 5
- d. 3

Answer: b. 1 ■

Q25. Which operator is used to check if two object references point to the same object in memory in Java?

- a. ==
- b. equals
- c. instanceof
- d. !=

Answer: a. == ■

Q26. What does the operator `+=` do in Java?

- a. It adds the right operand to the left operand and assigns the result to the left operand.
- b. It subtracts the right operand from the left operand and assigns the result to the left operand.
- c. It multiplies the left operand by the right operand and assigns the result to the left operand.
- d. It divides the left operand by the right operand and assigns the result to the left operand.

Answer: a. It adds the right operand to the left operand and assigns the result to the left operand. ■

Q27. What will be the result of the following code? `int x = 5; int y = x++; System.out.println(y);`

- a. 6
- b. 4
- c. 5
- d. 0

Answer: c. 5 ■

Q28. Which of the following operators is used to access a class's member variables or methods in Java?

- a. ->
- b. .
- c. ::
- d. :

Answer: b. . ■

Q29. What is the output of this code? `int a = 5; int b = 10; int c = a + b * 2; System.out.println(c);`

- A. 30
- B. 20
- C. 25
- D. 35

Answer: C. 25 ■

Q30. Which operator is used to combine multiple conditions in an if statement in Java?

- a. ||
- b. &
- c. &&
- d. |

Answer: c. && ■