

Test Bank for Chapter 2

MULTIPLE CHOICE1. Evaluate $8 \% 7$

- a. 8 b. 7 c. 1 d. 56

ANS: C

2. Given: $a = 4$ and $b = 3$, evaluate:

$$(14 \% a) * a * b / 6 + (b * b)$$

- a. 13 b. 25 c. 15 d. 12

ANS: A

3. If `car = "Honda"`, how does the following expression evaluate:`(car < "Toyota");`

- a. an error is generated b. "Honda" c. true d. false

ANS: C

4. If `beverage = "tea"`, which of the following is true?

- a.
- `(beverage != "tea");`
-
- b.
- `!(beverage != "tea");`
-
- c.
- `(beverage < "coffee");`
-
- d. none of these are true

ANS: B

5. Which is equivalent to $(x > 5)$ given that x is a numeric variable.

- a.
- $(x < 5)$
-
- b.
- $!(x \geq 5)$
-
- c.
- $!(x \leq 5)$
-
- d.
- $!(x < 5)$

ANS: C

6. Given that y is a numeric variable, which of the following is NOT equivalent to:

$$(y \leq 10)$$

- a. `(Y < 10) || (Y == 10)`
- b. `(Y < 10) && (Y == 10)`
- c. `!(Y > 10)`
- d. `(Y > 5) && (Y < 11)`

ANS: D

7. Which of the following will assign the variable named `timCall` to the sentence:

Tim called, "Lassie, come home!"

- a. `var timCall = Tim called, "Lassie, come home!";`
- b. `var timCall = "Tim called, "Lassie, come home!";`
- c. `var timCall = (Tim called, "Lassie, come home!");`
- d. `var timCall = 'Tim called, "Lassie, come home!";`

ANS: D

8. Which of the following is NOT a valid variable name?

- a. `ClareWasAfraidOfThunder`
- b. `dogs-rule`
- c. `dogsRKing`
- d. `one2three`

ANS: B

9. Given the following code snippet, what will be displayed on the web page if the user enters 4 at the prompt?

```
var myNum = prompt("Enter a number:");  
var result = myNum + myNum;  
document.write(result);
```

- a. 44
- b. 8
- c. NaN
- d. 4
4

ANS: A

10. Given the following code snippet, what will be displayed on the web page if the user enters 4 at the prompt?

```
var myNum = prompt("Enter a number:");  
var result = myNum * myNum;  
document.write(result);
```

- a. 44 b. 16 c. NaN d. 8

ANS: B

11. Given the following code snippet, what will be displayed on the web page?

```
var X = 23;
var Y = 3;
var Z = X + Y;
document.write(Z);
```

- a. 26 b. 233 c. NaN d. 23
3

ANS: A

12. Given the following code snippet, what will be displayed on the web page if the user enters 6.35 at the prompt?

```
var A = prompt("Enter a number:");
document.write(parseFloat(A) + ", ");
document.write(parseInt(A));
```

- a. 6.35NaN b. 6.35 c. 6.35, 6 d. 6.35, 6.35
6

ANS: C

13. Given the following code snippet, what will be displayed on the web page if the user enters 55 at the prompt?

```
var result = "Yes!";
var multiply = prompt("What is 5 * 11?");
result = (parseInt(multiply) == 55) ? "Correct" : "Incorrect";
document.write(result);
```

- a. Correct b. Incorrect c. 55 d. Yes!

ANS: A

14. Given the following code snippet, what will be displayed on the web page if the user enters 5Guys! at the prompt?

```
var result = " ";
var guys = prompt("How many guys are there?");
result = (parseInt(guys));
```

```
document.write(result);
```

a. 5Guys! b. 5.0 c. NaN d. 5

ANS: D

15. Which is the correct way to check if the variable **num** contains the value **123,456,789**?

a. **num** == 123456789; b. **num** = 123456789;
c. **num** = parseInt(123456789); d. num is too big to check

ANS: A

TRUE/FALSE

1. True/False: A program variable is the name of a storage location in the computer's internal memory.

ANS: T

2. True/False: Numeric variables in JavaScript can be either integers or floating point numbers.

ANS: T

3. True/False: JavaScript is a strongly typed language.

ANS: F

4. True/False: When a user enters a number at a prompt, it is stored initially as text.

ANS: T

5. True/False: The following statement would be considered true in JavaScript: "JACK" > "jack".

ANS: F

6. True/False: The conditional operator uses two symbols and takes three operands.

ANS: T

7. True/False: The `charAt()` function will tell you what a specific character is in a given string.

ANS: T

8. True/False: The correct way to identify the first character in a string variable named **word** is:

```
var letter = charAt(word);
```

ANS: F

9. True/False: You may use either single or double quotes to enclose the value of the text in a string variable.

ANS: T

10. True/False: Logical operators must always be done in order from left to right.

ANS: F