

Self-Assessment Quiz – Methods

1. What does the `parseInt()` method do?

- Returns a floating-point number
- **Returns an integer**
- Returns a string
- Returns a boolean

Explanation: The `parseInt()` method parses a string and returns an integer. It extracts the first number in the string.

2. Which method is used to apply a function to each element of an array?

- `filter()`
- **`forEach()`**
- `concat()`

Explanation: The `forEach()` method executes a provided function once for each array element, allowing you to perform actions on each element.

3. What does the `toFixed()` method do?

- Rounds a number to the nearest integer
- **Converts a number to fixed-point notation**
- Returns the largest integer less than or equal to a given number
- Returns the smallest integer greater than or equal to a given number

Explanation: The `toFixed()` method formats a number using fixed-point notation with a specified number of digits after the decimal point.

4. Which `Math` method returns the largest numbers?

- `Math.floor`
- `Math.round`
- **`Math.max`**
- `Math.min`

Explanation: The `Math.max()` method is used to find the largest of zero or more numbers.

5. What does the `split()` method do?

- Joins elements of an array into a string
- **Splits a string into an array of substrings**
- Replaces a specified value with another value

- Returns a new array comprised of this array joined with other array(s)

Explanation: The `split()` method is used to split a string into an array of substrings based on a specified separator.

6. Which number method is used to format a number with a specific number of digits?

- **`toFixed()`**
- `parseInt()`
- `parseFloat()`

Explanation: The `toFixed()` method is used to format a number with a specific number of digits after the decimal point.

7. Which Math method rounds a number to the nearest integer?

- `Math.max`
- `Math.floor`
- **`Math.round`**
- `Math.ceil`

Explanation: The `Math.round()` method is used to round a number to the nearest integer.

8. The `map()` method creates a new array with elements that pass a certain test. (True/False)

- True
- **False**

Explanation: This statement is false. The `filter()` method creates a new array with elements that pass a certain test, not `map()`.

9. The `replace()` method is used to join two or more strings. (True/False)

- True
- **False**

Explanation: This statement is false. The concatenate method `concat()` is used to join two or more strings.

10. What does the method '`toFixed()`' do?

- **Formats a number with a specific number of digits after the decimal point**
- Parses a string and returns an integer