# JS Functions

Total points  0/0

Functions

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✓ Which of the following is a parameter in the block of code below? *
```
let input = 8;
const controlVal = input / 2 + 3;
const multiplier = (number, phase) => {
  const val = number * controlVal + phase;
  console.log(val);
};
```

○ controlVal

○ input

○ val

⦿ number                                                    ✓

**Feedback**

👏

*Correct!*

✓ What will this code print to the console?     *

```
const sleepTimer = (alarm) => {
  console.log('My alarm is set for: ' + alarm);
}

sleepTimer('8:30AM');
```

⦿ My alarm is set for: 8:30AM                                    ✓

○ My alarm is set for: undefined

○ My alarm is set for: alarm

○ My alarm is set for: sleepTimer

**Feedback**

👏
*Correct! '8:30AM' is the argument passed to sleepTimer().*

✓ Which of the following most accurately describes
the **volumeOfCube()** function?
function volumeOfCube (side) {
  return side * side * side;
}

volumeOfCube(5);
// Output: 125.

*

○ It is a function expression.

◉ It is a function declaration.                                    ✓

○ It is an arrow function.

○ It is an anonymous function.

**Feedback**

👏

*Correct! This is a function declaration. A function expression requires a variable assignment like const volumeOfCube() = function () {....*

✓  What is wrong with the code snippet provided? *
   const greeting = => {
     console.log('Hello Programmer!');
   };

○  The ordering of = and => should be switched.

○  The function expression cannot be declared with a const keyword.

○  The curly braces {} should be parentheses ().

◉  The greeting function is missing a set of () between the = and =>.                ✓

**Feedback**

👏

*Correct! When there are no parameters, an arrow function needs to have a set of empty parentheses ().*

✓ This code prints: **I ran 3 miles at an average of undefined per mile**. Why                                    *
does the text include **undefined**?
const workoutJournal = (miles, avgTime) => {
  console.log('I ran ' + miles + ' miles at an average of ' + avgTime + ' per
mile.');
};

workoutJournal('3');

○ The miles parameter is not declared.

○ workoutJournal is not defined.

○ workoutJournal does not print the value of both arguments.

◉ The call to workoutJournal is missing a second argument.                                      ✓

**Feedback**

👏

*Correct!*

✓ Which correctly represents the most condensed form of the function? Recall * that this syntax is also known as 'concise body.'

○ const areaOfCircle = radius => { return Math.PI * radius * radius };

◉ const areaOfCircle = radius => Math.PI * radius * radius;                    ✓

○ const areaOfCircle = radius => { Math.PI * radius * radius };

○ const areaOfCircle = radius => return Math.PI * radius * radius;

**Feedback**

👏

*Correct! Concise body syntax (with one parameter) does not use parentheses, curly braces, or the return keyword.*

✓ Which of the following best describes what a function in JavaScript is used * for?

○ A function allows for the use of mathematical operators.

◉ A function is a reusable piece of code that can accept input and performs a   ✓
   specific task.

○ A function creates new variables.

○ A function stores data.

**Feedback**

👏

*Correct!*

✓   Which of the following is the correct way to call the function below? *
const multiplier = (number) => {
  console.log(3 * number);
};

○ multiplier{5}

⦿ multiplier(5)                                                                        ✓

○ multiplier 5

○ multiplier[5]

**Feedback**

👏

*Correct!*

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✓   What's the purpose of a parameter? *

○   To call a function.

⦿   To allow a function to accept data.                                    ✓

○   To specify actual values passed to a function.

**Feedback**

*Arguments are the values passed into a function. Parameters act as placeholders for argument values.*

✕   What will be printed to the console?          *
    const eatFruit = (fruit = 'apple') => {
      console.log(`This ${fruit} is delicious!`);
    };

    eatFruit();

○   This apple is delicious!

◉   This fruit is delicious!                                    ✕

○   This is delicious!

○   This undefined is delicious!

**Correct answer**

◉   This apple is delicious!

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