



# Term 1 Exam

Soufriere Primary School Grade 6

## Section A: Select the correct definition.

### 1. Function

- A** A way to customize your new phone.
- B** A machine learning model.
- C** A module of code that performs a specific task.

### 2. Parameter

- A** Instructions that tell a computer how to do a task.
- B** Finding and fixing mistakes in your code.
- C** A list of instructions that tells a computer what to do.

### 3. JavaScript

- A** The name of a computer coding language.
- B** A character in coding.
- C** An error in your code.

### 4. Event Handler

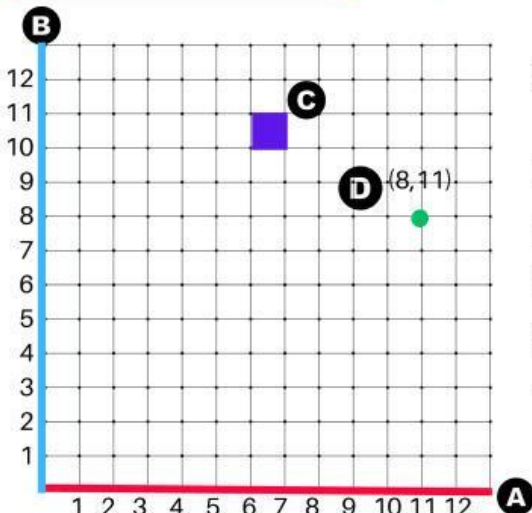
- A** An action that is triggered by another action
- B** Finding and fixing errors in your code.
- C** A way to make your code shorter.

### 5. Event

- A** An error in your code.
- B** A command that makes a computer repeat an action.
- C** An action that triggers another action.

### 6. Variable

- A** A way to make your code more concise.
- B** A value in a program that can change.
- C** A machine learning model.



## Section B: Which term is shown on the graph?

Put the letter next to the correct term.

- 7. Coordinates \_\_\_\_\_
- 8. X-Axis \_\_\_\_\_
- 9. Pixel \_\_\_\_\_
- 10. Y-Axis \_\_\_\_\_



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## Section C: Read the algorithms. Solve the puzzles.

### Conditionals

These magic purple flowers change!

Each time you try the puzzle, purple flowers can have either 1 nectar or none at all...but you won't know the number until you run the code!

Be careful not to collect nectar from a purple flower if it doesn't have any. You must first check if the nectar is equal to 1 using the if nectar block.

11. Select the correct command for the conditional statement in this algorithm.



```

when run
repeat 3 times
do move forward
if nectar = 1
do

```

- A make honey
- B get nectar
- C move forward

12. Which algorithm will make the bee collect all the nectar from both flowers if they have any?



- A
- ```

when run
move forward
turn left 90
move forward
if nectar = 1
do get nectar
move forward
if nectar = 1
do get nectar

```
- B
- ```

when run
move forward
if nectar = 1
do get nectar
move forward
move forward
if nectar = 1
do get nectar

```
- C
- ```

when run
move forward
if nectar = 1
do get nectar
do get nectar
turn right 90
move forward
move forward
move forward
if nectar = 1
do get nectar

```
- D
- ```

when run
turn right 90
move forward
move forward
turn left 90
move forward
move forward
if nectar = 1
do get nectar

```

13. Which of these algorithms correctly solves the puzzle below?



- A
- ```

when run
move forward
repeat 4 times
do get nectar
turn right 90
move forward
move forward
if nectar > 0
do make honey

```
- B
- ```

when run
move forward
if nectar = 1
do get nectar
do get nectar
turn right 90
move forward
move forward
if nectar > 0
do get nectar

```
- C
- ```

when run
move forward
repeat 4 times
do get nectar
turn right 90
move forward
move forward
move forward
if nectar > 0
do get nectar

```
- D
- ```

when run
move forward
if nectar = 1
do make honey
do make honey
turn right 90
move forward
move forward
move forward
if nectar > 0
do make honey

```

14. What does the code say after the two "move forward" commands?



```

when run
move forward
move forward
if at flower
do get nectar
else make honey

```

- A If it's a honeycomb, make honey or else get nectar.
- B If it's a flower, get nectar, or else make honey
- C First get nectar, then make flower.

Select the word that correctly completes the sentence below.

15. Conditional statements help computers to make \_\_\_\_\_.

guesses

decisions

repetitions

friends

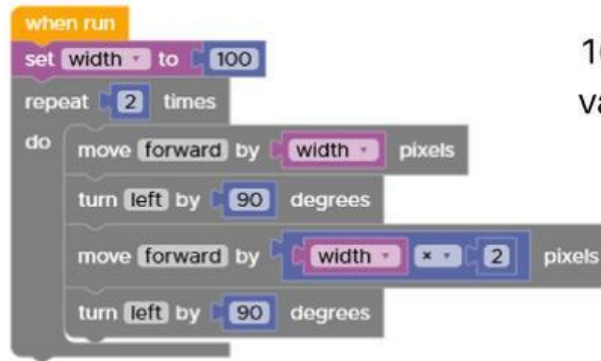
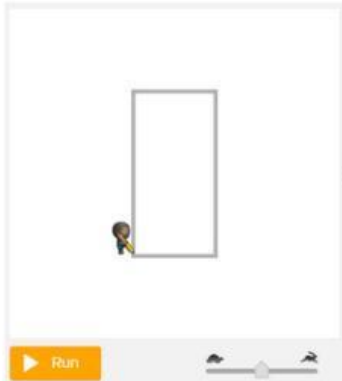


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## Variables

Read the algorithm below. Answer the questions.



16. What is the name of the variable in this algorithm?

repeat  
turn  
width  
pixels

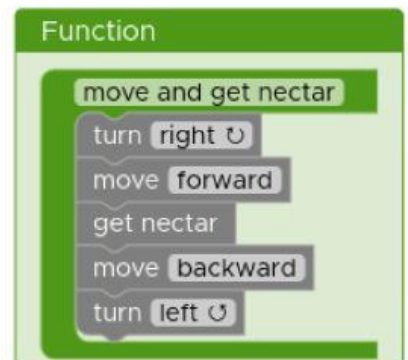
17. What value is stored in the variable? **A** 100 **B** 2 **C** 90

## Functions

Read the algorithm below. Answer the questions.

18. Which of these commands calls the function?

- A** get nectar      **B** make honey  
**C** move forward      **D** move and get nectar



19. How many times is the function called? \_\_\_\_\_

## Java Script

20. Which of these phrases is correctly written in Camel Case?

- A** weLoveOurSchool      **B** WELOVEourschool  
**C** WeLoveOurSchool      **D** We Love Our School

When you click finish:

What do you want to do?



Enter your full name: \*

firstName lastName

Group/level \*

Grade 6

School subject \*

ICT

Enter your teacher's email or key code: \*

rashidaveronique@gmail.com