



Answers



Consider that, a school has four houses namely Metta, Karuna, Muditha and Upeksha. A flowchart to assign students to their houses is given below. Houses are assigned based on the remainder after dividing the admission number by 4.













Activity 3.4

- 1. Develop a programme with an array to enter 5 subjects learnt in Grade 9.
- Construct a suitable program based on an array to output seven days of the week. Name the Array as "day".
- 3. Find answers based on the array called "color" shown below.



- 4. How many times the above programme is repeated when it is executed?
- 5. How many colors can be assigned to the array "color"?
- Select the suitable statements and match them with the instructions given below.

add answer to Color -

delete all of Color -

length of Animal *

item 17 of Animal

- a) To delete all the items in the array.
- b) Number of items in the array
- c) The first item in the array
- d) Entering items into the array.





Activity 3.4

- 1. Develop a programme with an array to enter 5 subjects learnt in Grade 9.
- Construct a suitable program based on an array to output seven days of the week. Name the Array as "day".
- 3. Find answers based on the array called "color" shown below.



- 4. How many times the above programme is repeated when it is executed? 7
- 5. How many colors can be assigned to the array "color"? 7
- Select the suitable statements and match them with the instructions given below.

delete all of Color .

length of Animal *

item 17 of Animal

a) To delete all the items in the array, add answer to Color -

- b) Number of items in the array
- c) The first item in the array

d) Entering items into the array.









I. Programming languages give computer instructions A. True

B. False

2.A completed program in scratch.

- A. Scratch
- B. volume
- C. project

is the art of writing instructions to

tell a computer what to do.

- A. Programming
- B. Debugging
- C. Variable

3.

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4. Which symbols are used to start and stop in a flowchart?





5.What is Scratch?

- A. a programming language/tool
- B. a code
- C. an animation
- D.a computer

6.You can keep score in Scratch by creating a
A. sprite
B. variable
C. loop
D. function





7. This script would draw a

- A. star
- B. square
- C. pentagon
- D. Hexagon





8. Performing an action depending on IF a criteria is met is called a

- A. sequence
- B. statement
- C. loop
- D. Condition



9. Repeating a statement more than once is called

- A. loop
- B. sequence
- C. repetition
- D. Event



10. To send a message between sprites or from the sprite to the stage, you need to

- A. sequence
- B. send
- C. transmit
- D. Broadcast



D.720

I2.The green blocks that allow comparisons such as >, <, =, >=, <= are called..?</pre>

- A. logics
- B. operators
- C. formulas
- D. expressions





13. How do you create a loop in scratch?

- A. use a repeat block
- B. snap a block
- C. use a variable
- D. use a condition block

14.What will this script do?

- A. draw random colors
- B. draw random shapes
- C. draw random colored shapes in random places
- D. draw random numbers







I5.An algorithm is..

- A. .. A set of instructions
- B. ...A motion block
- C. ... A character
- D. ...A loop statement

16.What do you call the list of commands in Scratch?

- A. Sprite
- B. Script
- C. Scratch
- D. Help





17. Blocks that allows you to execute one offter the other times.

- A. repeating blocks
- B. if
- C. condition
- D. sequence

18.What is the final value of b?

- A. () B. 9
- B. 9
- C. 10
- D.

What is the final value of b?





19.What will happen when the green flag is clicked?

- A. Make a character spin
- B. Make the ball bounce
- C. Start the game
- D. Make the Sprite spin



20. Performing an action depending on IF a criteria is met is called a

- A. sequence
- B. statement
- C. loop
- D. condition



Thank you



Have a nice day.....

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