

Thứ ngày tháng năm 2024

Học sinh:

Lớp :

PHIẾU ÔN TẬP

HKICO – SCRATCH BUỔI 7

Operators & Communication

1. The following expression receives a numerical or logical value?

- A. 0
- B. 1
- C. False
- D. True
- E. None of the above



2. Given the operator. What's result we get?

- A. 2335
- B. 2535
- C. 3523
- D. 3525
- E. None of the above



3. Given the following script and scene. The sprite Cat asks the user to enter a number. The script compare number and 50. What would the cat say if the user enters number 60?

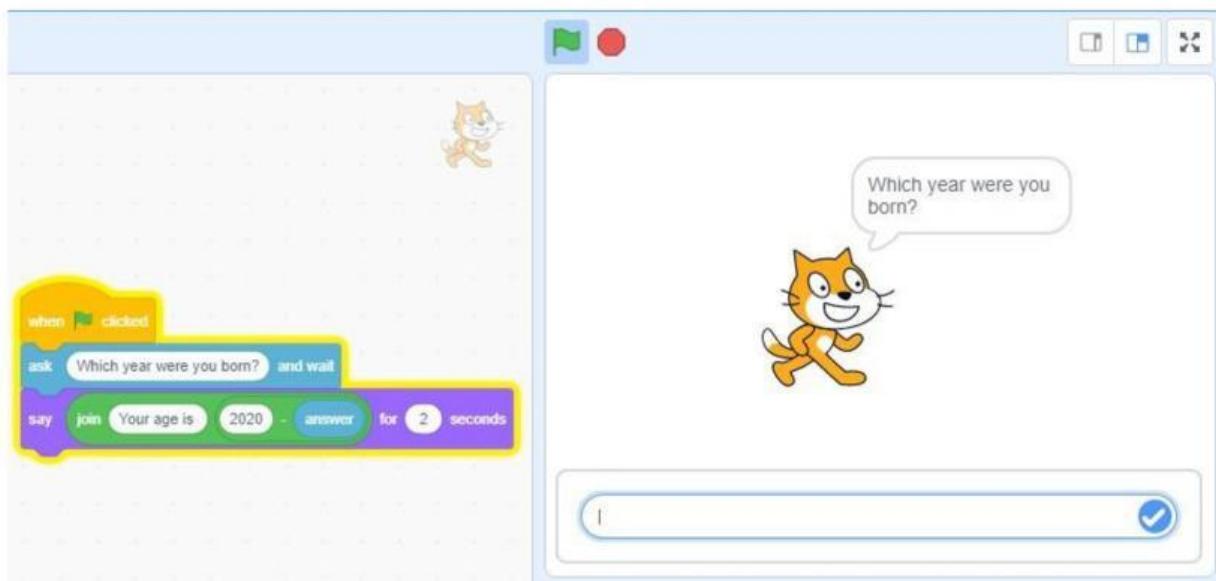


- A. What's your number?
- B. Join 60 is bigger than 50.
- C. 60 is bigger than 50.
- D. Answer is bigger than 50.
- E. None of the above.

4. In the script, if the user enters a number which is smaller than 50. Nothing happens. If the user enters a number which is smaller than 50. The cat would say a sentence to announce. What scripts should be changed?

- A. "If then ..." should be replaced by "If...then...else".
- B. "Stop all" should be added to the bottom of the script.
- C. "Say join number ..." should be added.
- D. "If ... then ..." should be replaced by repeat.
- E. None of the above.

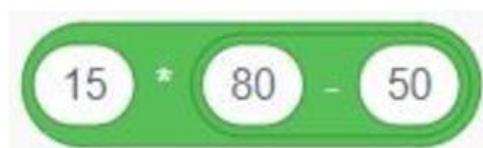
5. Given the following script and scene. What would the sprite say if the user enters "2008" in the answer box? (Assume that the green flag is clicked)



- A. 13
- B. 14
- C. 15
- D. 16
- E. None of the above

6. Given the operator. What's the result of the expression?

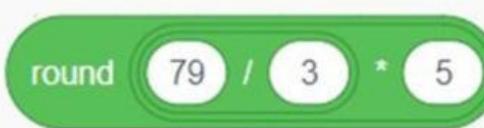
- A. 30
- B. 300
- C. 450
- D. 1170
- E. None of the above



A Scratch expression consisting of three circles with numbers and operators: 15, *, 80, and - 50. The expression is 15 * 80 - 50.

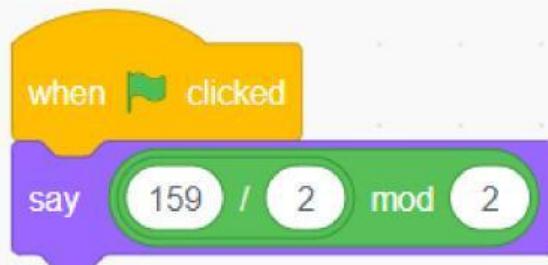
7. Given the operator. What's the result of the expression?

- A. 129
- B. 130
- C. 131
- D. 132
- E. None of the above


 A Scratch script consisting of a green 'round' control block followed by a blue 'operator' block containing the expression $79 / 3 * 5$.

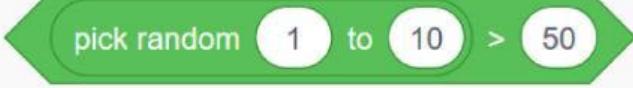
8. Given the following script. What's the script would say in the stage?

- A. 1
- B. 1.5
- C. 2
- D. 2.5
- E. None of the above


 A Scratch script starting with a yellow 'when green flag clicked' control block, followed by a purple 'say' control block with the expression $159 / 2 \text{ mod } 2$.

9. Given the operator. Which of the following is equivalent to the above when putting inside the "if" block?


 A Scratch script consisting of a green 'not' control block followed by a blue 'operator' block containing the expression $\text{timer} < \text{timer} + \text{pick random } 1 \text{ to } 10$.

A. 

B. 

C. 

- D. All of the above

- E. None of the above

10. What would be the answer of this mathematical expression?

- A. 10
- B. 0
- C. 5
- D. 20
- E. Infinity


 A Scratch script consisting of a blue 'say' control block with the expression $10 / 20 - 5 * 4$, followed by a green 'for' control block with the value 2.

11. Given operator?

my variable > 90 or not my variable > 110 and my variable > 80

Which of the following operators is equivalent as the above?

A.

not my variable > 110 and my variable > 80

B.

my variable > 90

C.

my variable > 90 and not my variable > 110 and my variable > 80

D.

my variable > 110 or my variable > 80

E. None of the above

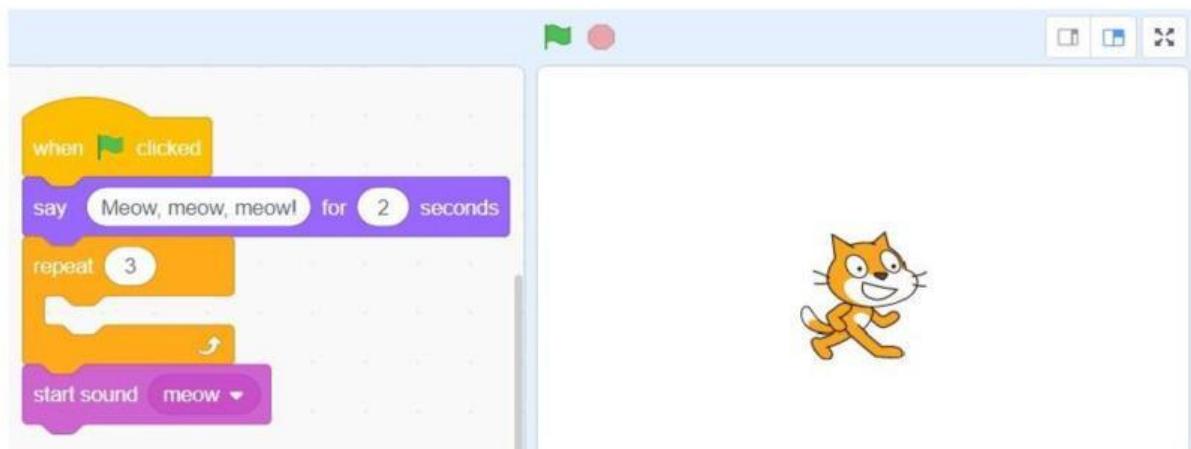
12. Refer to the following script:



Which of the following statement is correct after the green flag is clicked?

- A. The cat is located at (0,0) and say "hello"
- B. The cat is located at (50,50) and say "hello"
- C. The cat is located at (0,0)
- D. The cat is located at (50,50)
- E. None of the above

13. In this project, when the green flag is clicked, the Scratch Cat should say "Meow, meow, meow!" in a speech bubble and as a sound. But the speech bubble happens before the sound -- and the Scratch Cat only makes one "Meow" sound! How to fix it?



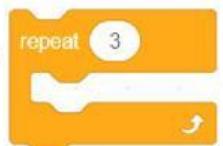
A.  should be put in the loop



B.  should be put in the front of loop



C.  should be put after the loop

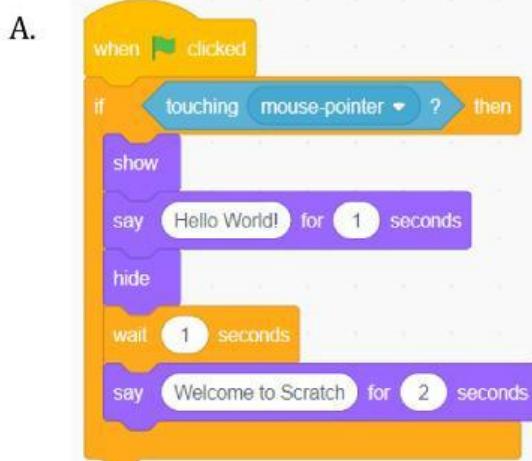


D.  should be removed.

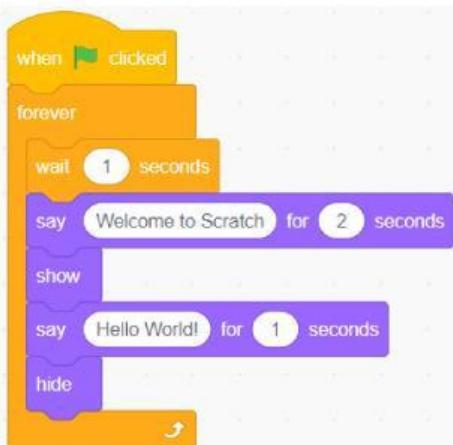


E. None of the above

14. Which of the following is the correct script so that the cat would show to say "Hello World" in 1 second and hide. After 1 second, the cat would say "Welcome to Scratch!" in 2 seconds. (You can assume that the green flag is clicked)



C.

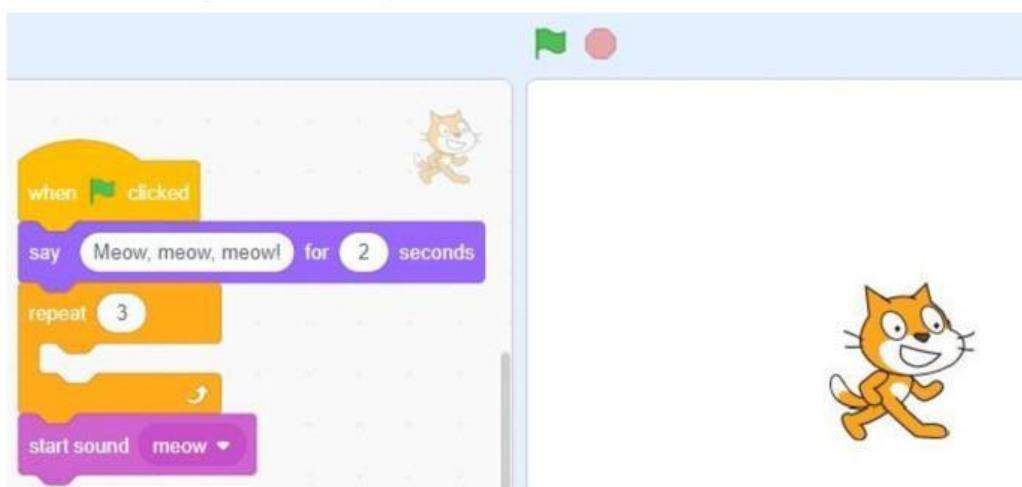


D.



E. None of the above

Refer to the following scene for questions 15, 16:



15. When the green flag is clicked, the sprite Cat should say "Meow, meow, meow!" in a speech bubble and as a sound. But the speech bubble happens before the sound -- and the Scratch Cat only makes one "Meow" sound. Why?

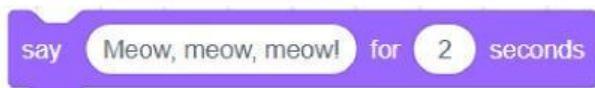
A. The loop should be removed.



B. The loop should be replaced by .



C. should be put before .

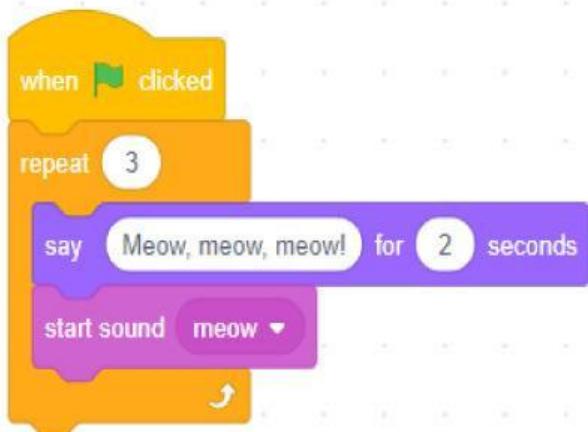


D. should be put at the bottom of the script.



E. None of the above

16. Compares two following solution scripts for problem in question 15. Who is/are correct?



Student A

- A. Student A is correct, Student B is incorrect.
- B. Student A is incorrect, Student B is correct.
- C. Both are correct.
- D. Both are not correct.
- E. None of the above.



Student B