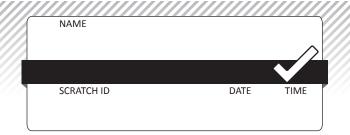
G3 Mid Assessment



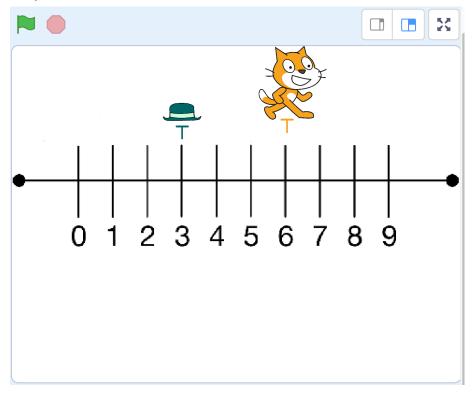
In Problem 1, circle True or False.

(1) When creating a computer script in Scratch, you must select from a limited set of blocks.

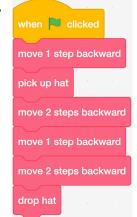
True

False

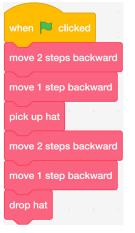
(2) The cat wants to move his hat to be at 0 on the number line. Circle the script that would help him do that.



a.



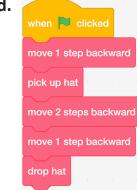
b.



C.



d.



(3) Aisha has 8 toys that she wants to carry from the kitchen to her room. She can carry 1, 2, or 3 toys at once.

Write two different ways that Aisha can carry the 8 toys to her room.

One Way:

- Carry _____ toys to room
- Carry _____ toys to room
- Carry _____ toys to room

Another Way:

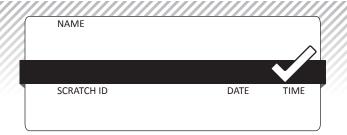
- Carry _____ toys to room
- Carry _____ toys to room
- Carry _____ toys to room
- 4 Decomposing means breaking something down into parts. Decompose the number 12 into equivalent parts.

(5) List the steps you would use to solve this multi-step problem:

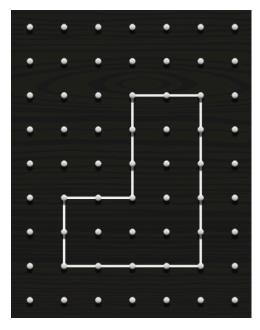
$$(5 \times 2) + (3 \times 2) = ?$$

3

G3 Mid Assessment (continued)



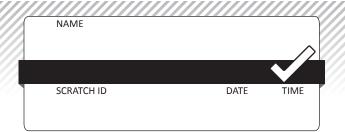
- (6) Decomposing a problem means breaking it down into smaller problems. Why should you decompose a problem? CIRCLE ALL CORRECT ANSWERS.
 - **a.** Sometimes it is easier for me to solve several smaller problems than one big problem.
 - **b.** I know I will find the correct answer.
 - **c.** It is the last step in solving a problem.
 - **d.** Sometimes it is faster to solve several smaller problems.
- (7) Pretend you want to find the area of the shape outlined in white.



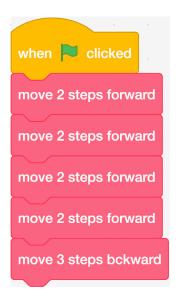
This problem requires multiple steps. Break down the problem into steps. Describe your steps.

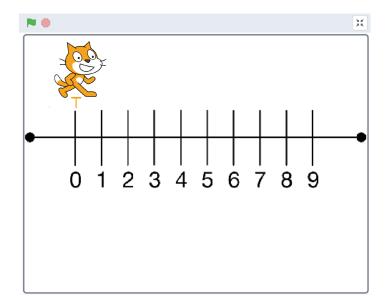
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G3 Mid Assessment (continued)



(8) Below is code for the cat to move so that he eventually lands at 5 on the number line.





Create a different way for the cat to land at 5. You may use any of the blocks below.

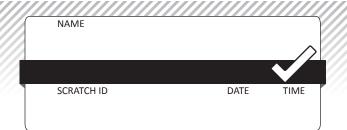


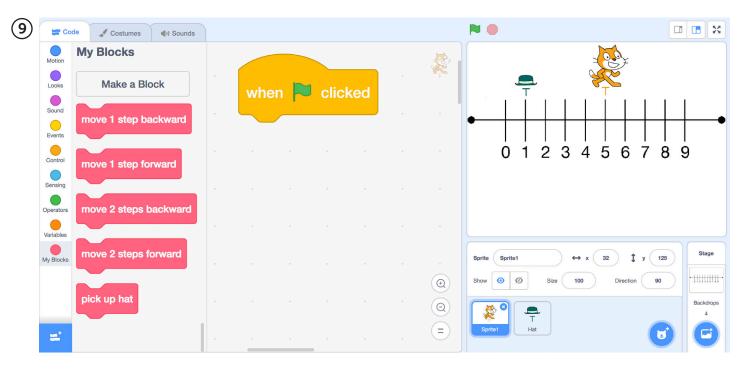
Write or draw your script below:

when Clicked

5

G3 Mid Assessment (continued)





The cat forgot his hat! **Using only the blocks shown**, make him walk back, pick up his hat, and then walk forward until he stops at 6 on the number line.

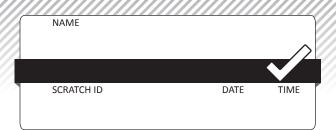
Write or draw your script below.



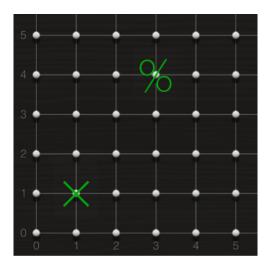
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6

G3 Mid Assessment (continued)



10 Pretend you are standing at the **X**. You can only move up, down, left, or right. Write instructions for moving from the **X** to the **%**.



Your instructions:

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