

G3 Early Assessment

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In Problems 1 and 2, circle True or False.

- ① A computer program cannot be broken down into smaller parts. **True** **False**

- ② When creating a computer script in Scratch, you must select from a limited set of blocks. **True** **False**

- ③ 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.

- ④ Write one or more addition number sentences that mean the same as the multiplication number sentence:

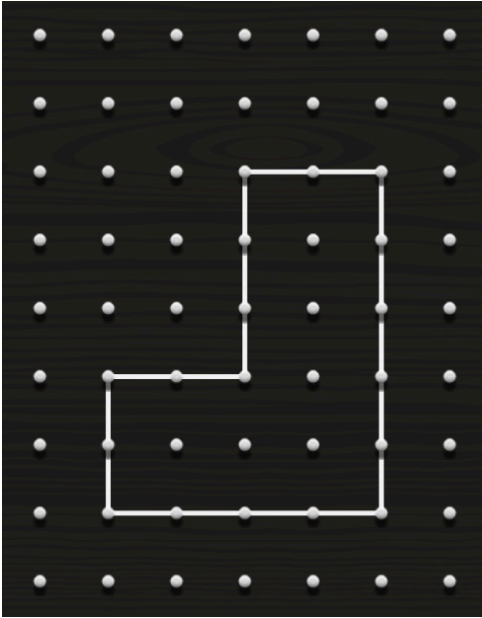
$$5 \times 4 = 20$$

Addition Number Sentences:

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⑤ 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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⑥ Decomposing means breaking something down into parts. Decompose the number 10. List at least three ways you can add numbers to get to 10.

⑦ 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. One way to carry the toys is listed below. Write two other ways that Aisha can carry the 8 toys to her room.

Example:

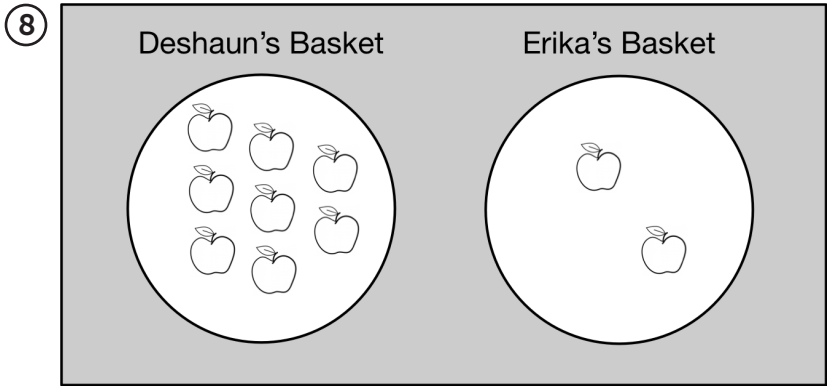
- Carry 3 toys to room.
- Carry 2 toys to room.
- Carry 3 toys to room.

One Way:

Another Way:

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Deshaun's basket has 8 apples and Erika's basket has 2 apples.

Instructions:

Repeat 4 times:

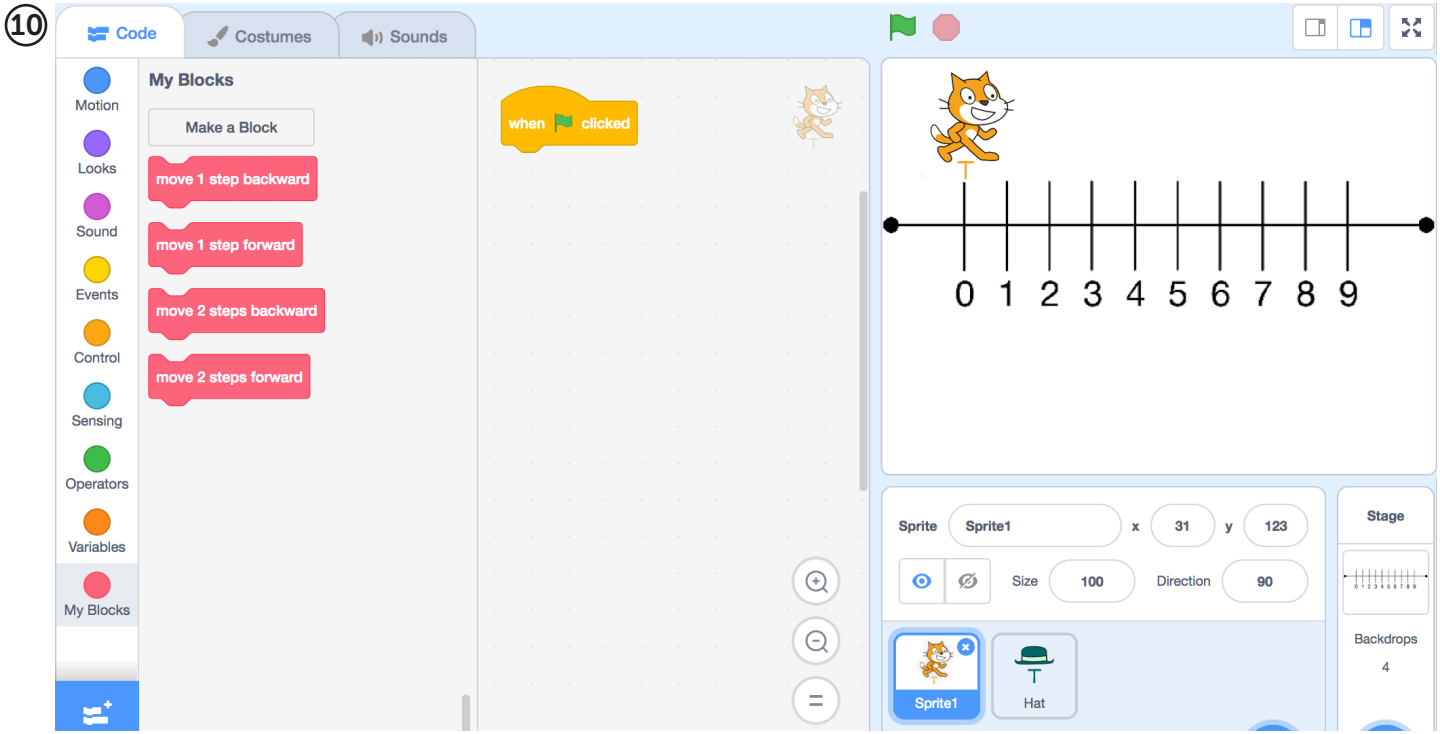
- Take 1 apple from Deshaun's basket and put it on the table.
- Take 1 apple from the table and put it in Erika's basket.

If you follow these instructions, how many apples will be in Erika's basket? _____



- 9 Andre has 9 cookies that he wants to give away to 3 friends. He wants to give each friend an equal number of whole cookies. Write instructions for giving the cookies to the 3 friends. Use the instruction "repeat 3 times" at least once.

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Create 2 different scripts (sets of instructions) to move the cat so that he stops at 5 on the number line. **Use only the blocks shown above.** Write or draw your scripts in the boxes.

Script A	Script B
 	

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