G4 Late Assessment

1. Which of the following is used to store input from a user?
   
   a. Loop
   b. Sprite
   c. Variable
   d. Block

2. Dan’s basket has 8 apples and Meg’s basket has 2 apples.

Instructions:
Repeat until Dan only has 4 apples:
• Take 1 apple from Dan’s basket and put it on the table.
• Take 1 apple from the table and put it in Meg’s basket.

If the above instructions are followed, how many apples will be in Meg’s basket?
a. You run this code:

```
when green flag clicked
set Points to 2
```

What is the value in `points`? ______

What value is `points + 5`? ______

b. You run this code:

```
when green flag clicked
set Points to 1
set Points to 4
```

What is the value in `points`? ______

c. You run this code:

```
when green flag clicked
set Num1 to 10
set Num2 to 20
set Num1 to Num2
```

What is the value in `num1` now? ______

What is the value in `num2` now? ______
4. Eve has 9 cookies to give away to her friends Abe, Ed, and Pam. She wants to give each friend an equal number of cookies. Eve wrote a script for how to give away the cookies.

Modify Eve's script. Use a repeat block at least once.

**Eve’s script:**
- when ⬇️ clicked
  - Give cookie to Abe
  - Give cookie to Ed
  - Give cookie to Pam
  - Give cookie to Abe
  - Give cookie to Ed
  - Give cookie to Pam
  - Give cookie to Abe
  - Give cookie to Ed
  - Give cookie to Pam

**Your script:**
- when ⬇️ clicked
  - repeat
    - Give cookie to Abe
    - Give cookie to Ed
    - Give cookie to Pam
  - end
5 Use the blocks below. Draw a script that will make the computer say the numbers 4, 8, and 12.

Blocks:

Your script:

6 Liz wrote the code below to say the area of a rectangle when the user enters the length and width. Fill in the arguments (white ovals) with the correct variables.
A factory makes tables. Each table has 4 legs. Write instructions to program a computer to ask for the number of tables and then say the number of legs needed. Pretend that the computer has variables named "tables" and "legs."

Your instructions: