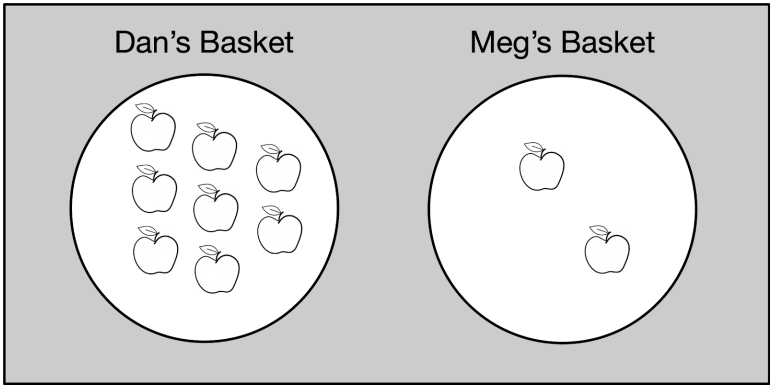


G4 Late Assessment

NAME		
		
SCRATCH ID	DATE	TIME

- 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?

G4 Late Assessment (continued)

NAME		
✓		
SCRATCH ID	DATE	TIME

3 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? _____

G4 Late Assessment (continued)

NAME		
		
SCRATCH ID	DATE	TIME

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
```

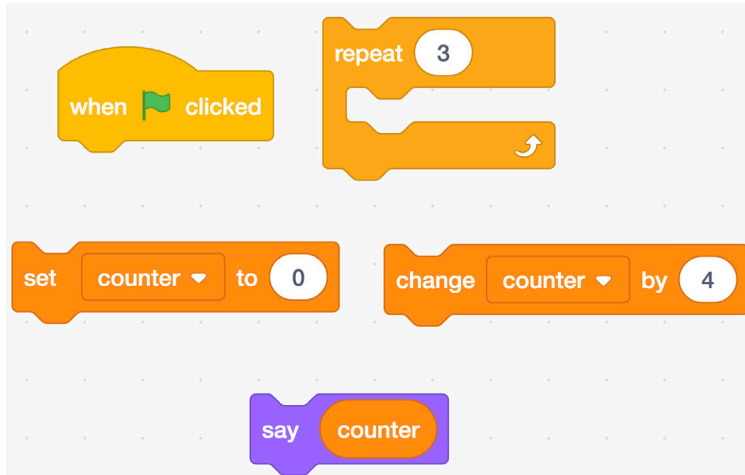
Your script:

G4 Late Assessment (continued)

NAME		
✓		
SCRATCH ID	DATE	TIME

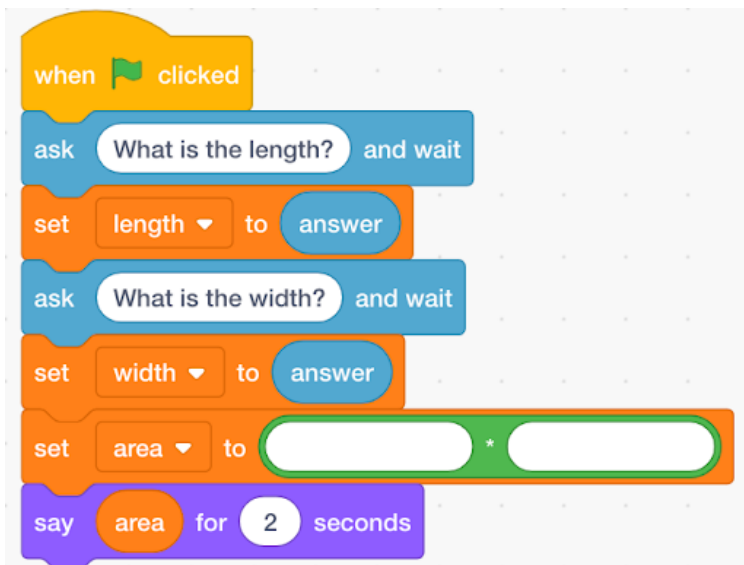
- ⑤ Use the blocks below.
Draw a script that will make the computer say the numbers 4, 8, and 12.

Blocks:




Your script:

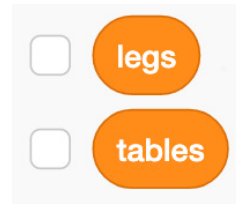
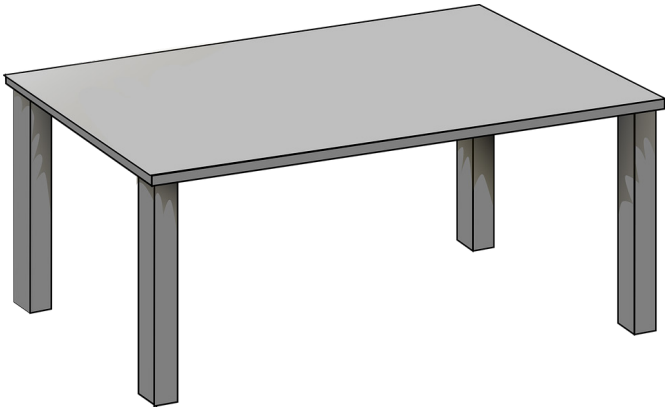
- ⑥ Liz wrote the code below to say the area of a rectangle when the user enters the length and width. Fill in the arguments (white ovals) with the correct variables.



G4 Late Assessment (continued)

NAME		
		
SCRATCH ID	DATE	TIME

- ⑦ 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: