

Do not write your name below this line.

---

## Loops

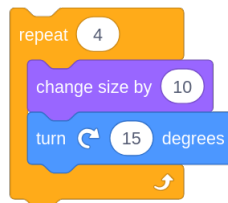
Scratch Username: \_\_\_\_\_

.....

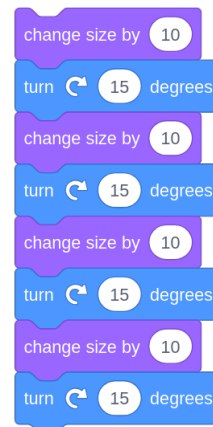
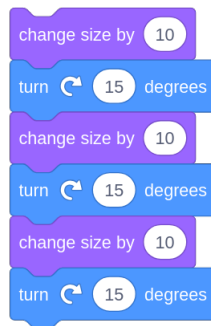
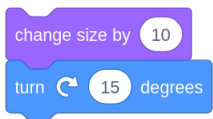


1. How many times will the blocks in the loop repeat?

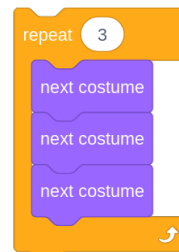
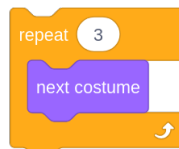
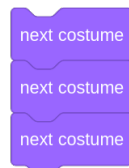
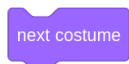
.....



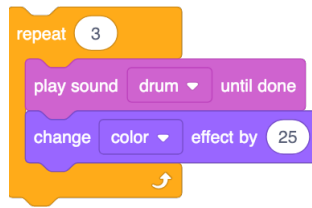
2. **Circle** the script that makes the sprite do the same thing as the loop above:



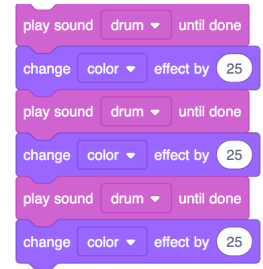
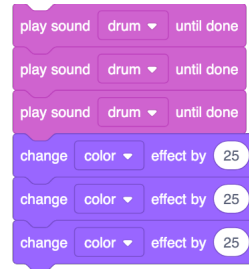
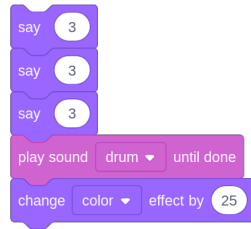
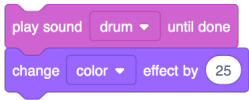
3. **Circle ALL** the scripts that make the sprite change costumes **exactly** 3 times.



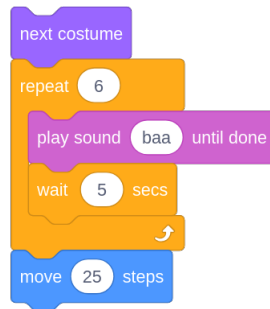
.....



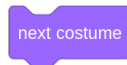
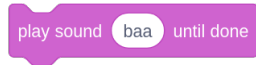
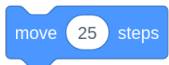
4. **Circle** the script that makes the sprite do the same thing as the loop above:



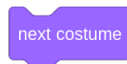
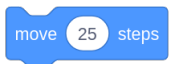
.....



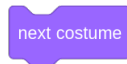
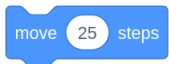
5a. **Circle ALL** the blocks that run 6 times in the script above.



5b. **Circle ALL** the blocks that run before the repeat loop in the script above.



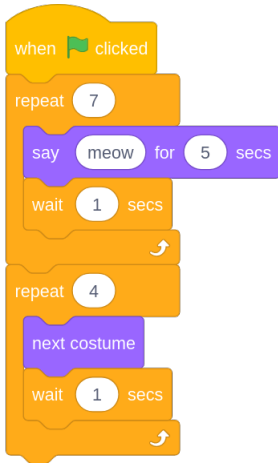
5c. **Circle ALL** the blocks that run after the repeat loop in the script above.



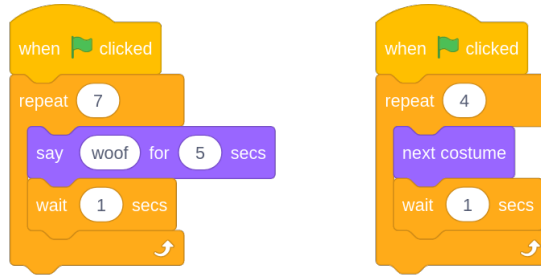
.....



## Cat's Code



## Dog's Code



6a. **Circle:** When the green flag is clicked, what will Cat do?

- A. Cat says "meow" 7 times **then** changes costumes 4 times.
- B. Cat says "meow" and changes costumes **at the same time**.

6b. **Circle:** When the green flag is clicked, what will Dog do?

- A. Dog says "woof" 7 times **then** changes costumes 4 times.
- B. Dog says "woof" and changes costumes **at the same time**.

.....



7. Explain what this script will make the sprite do.

Each time the loop runs:

First \_\_\_\_\_.

Next, \_\_\_\_\_.

Last, \_\_\_\_\_.

It does this all \_\_\_\_\_ times.

More questions on the next page! .....

8. How do you know that you should use a loop?

---

---

---

---



**Extra Challenge:** How many times will "quack" sound play?