T	O	O	n	S
-		$\mathbf{\circ}$	$\sim$	$\sim$

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

```
move 10 steps
wait 5 secs
play sound woof
```

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

.....

```
change size by 10 turn (15 degrees
```

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









3. Circle <u>ALL</u> the scripts that make the sprite change costumes exactly 3 times.

next costume









4a. Circle ALL the blocks that run 6 times in the script above.



4b. Circle ALL the blocks that run before the repeat loop in the script above.



4c. Circle <u>ALL</u> the blocks that run <u>after</u> the repeat loop in the script above.



when clicked
repeat 7
say meow for 5 secs
wait 1 secs
wait 1 secs

Dog's Code

when clicked
repeat 4

repeat 4

next costume
wait 1 secs

- 5a. 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.
- 5b. 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.



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

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

Each time the loop runs:
First
Next,
Last,
It does this all times.
7. How do you know that you should use a loop?
repeat 2  move 15 steps repeat 10  play sound quack until done  wait 1 secs