

Do not write your name below this line.

Loops

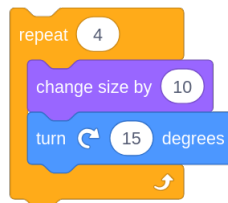
Scratch Username: _____

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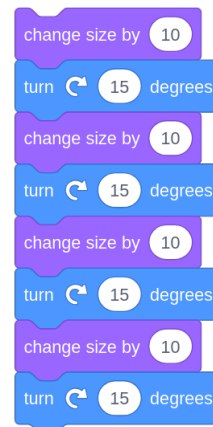
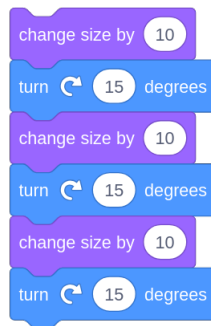
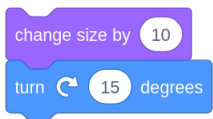


1. How many times will the blocks in the loop repeat?

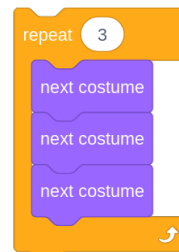
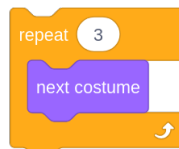
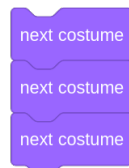
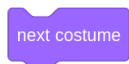
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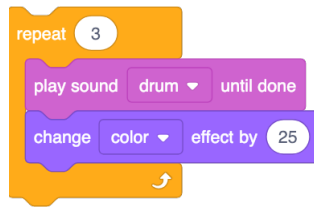
2. **Circle** the script that makes the sprite do the same thing as the loop above:



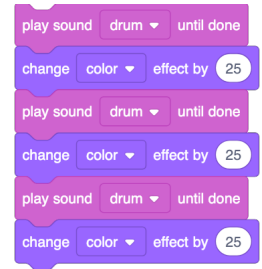
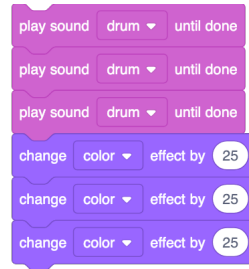
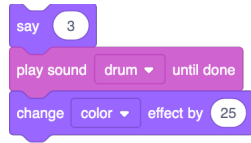
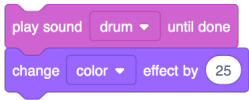
3. **Circle ALL** the scripts that make the sprite change costumes **exactly** 3 times.



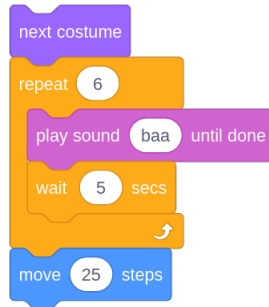
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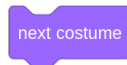
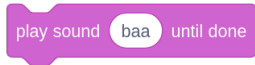
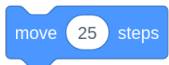
4. Circle the script that makes the sprite do the same thing as the loop above:



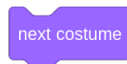
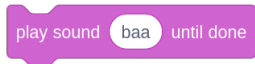
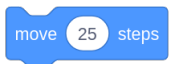
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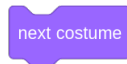
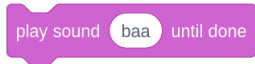
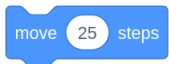
5a. Circle ALL the blocks that run 6 times in the script above.



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



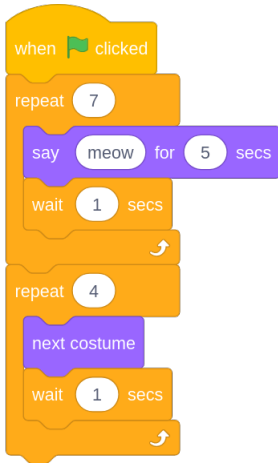
5c. Circle ALL the blocks that run after the repeat loop in the script above.



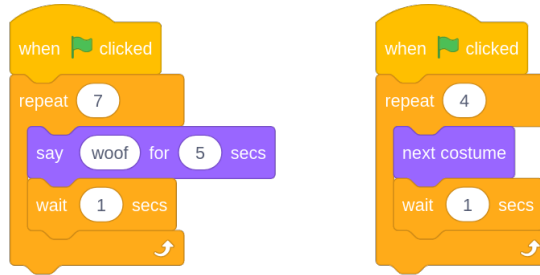
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Cat's Code



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**.

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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?