Q0

What is your SAGE Username (used to login to https://uat.cu-sage.org)?

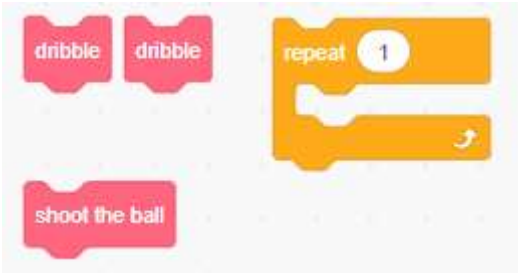
Q2

In a basketball, a player dribbles, then shoot the ball, then dribbles again. Which of the following code elements helps to achieve this task using the fewest blocks?

1

2

3



4

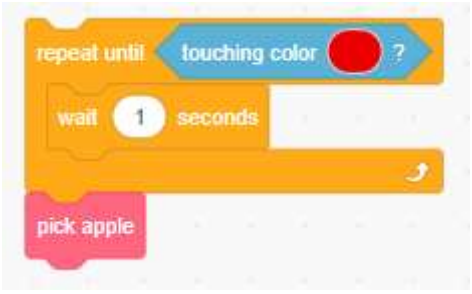
Q3

Which of the following blocks would be best to use in the following situation:

Bob wants to eat an apple. He looks outside the window and sees an apple on the tree that is still green. He waits to pick the apple until it turns red.

1

2

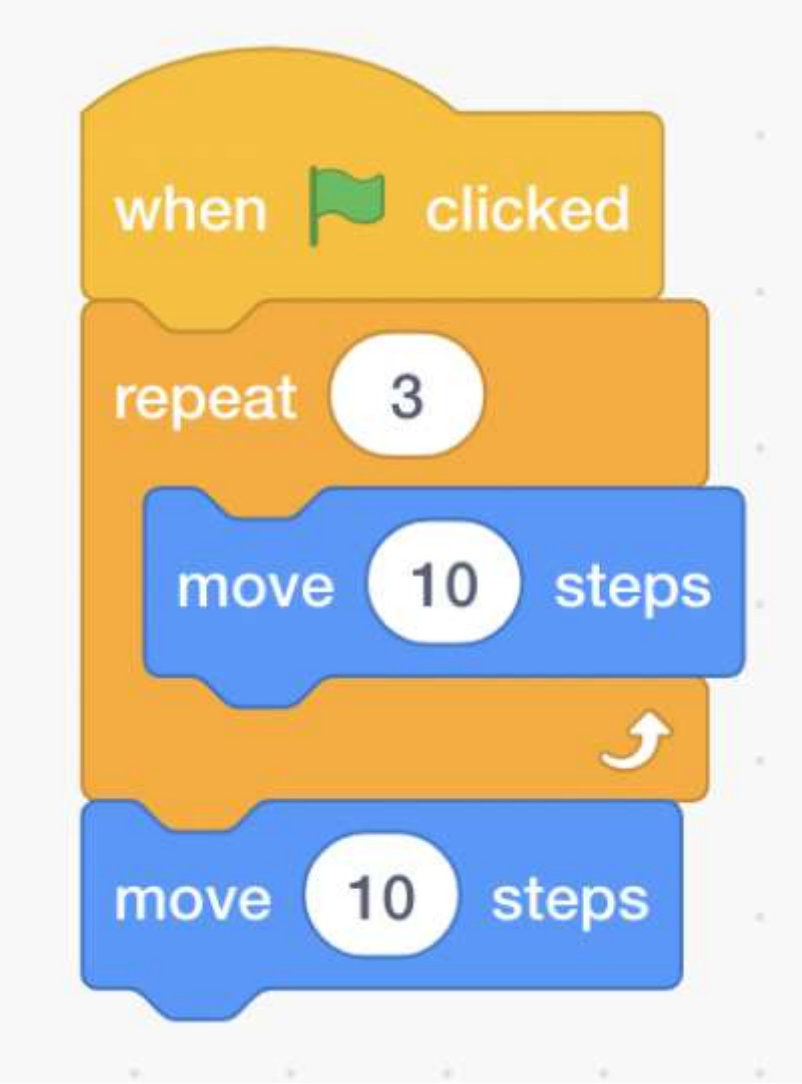


3

4

Q4

How many steps would be moved after the green flag is clicked?



- 30
- 23
- 40
- 20

Q5

There is a tray of cookies and you want to get 6 in total for you and your friends! However, you can only get one cookie at a time. Which of the following code is the most efficient (uses the fewest blocks)?

1


when clicked
repeat 6
say I am getting 6 cookies!

2


when clicked
repeat 6
say I am getting 1 cookie!

3


when clicked
repeat 1
say I am getting 1 cookie!
repeat 1
say I am getting 1 cookie!
repeat 1
say I am getting 1 cookie!
repeat 1
say I am getting 1 cookie!
repeat 1
say I am getting 1 cookie!

4

Q6

Jamie is doing planks and wants to stop only when she is tired. Which blocks would be best used for her workout?

1

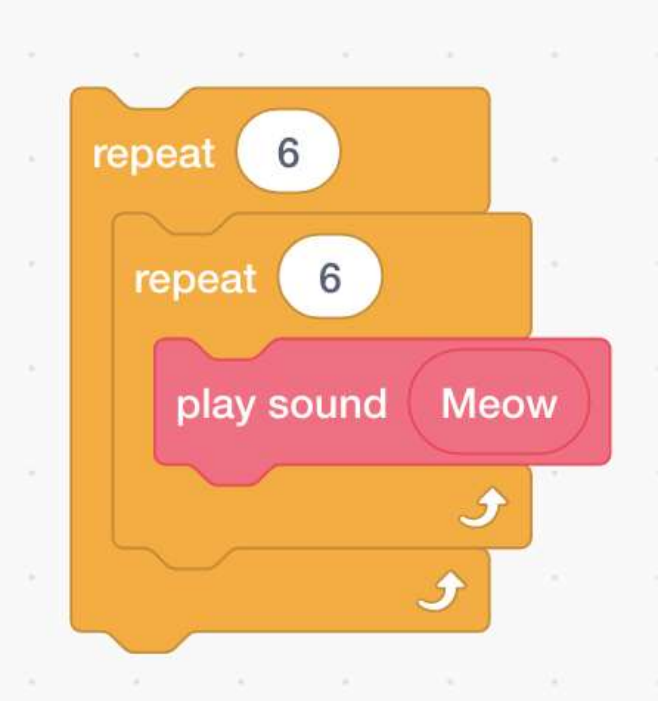
2

3

4

Q7

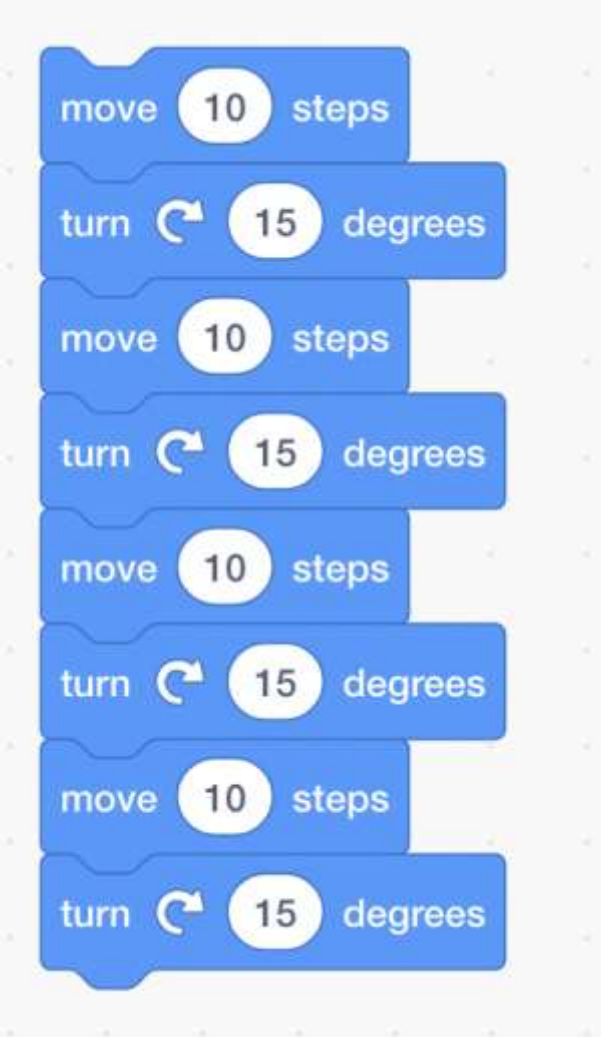
How many times does the sprite make the sounds "Meow" in the following blocks?



- 12
- 36
- 18
- 6

Q8

What is the minimum number of blocks needed to replicate the following blocks in the most efficient way using looping?



- 2
- 3
- 4
- 5

Q9

A recipe specifies that a chef should repeat the process of adding tomato and then blending 6 times for cycles. Which of the following sets of elements is sufficient to complete this task while using the fewest blocks?

1


repeat 6
Add Tomato
blend

2


repeat 1
Add Tomato
Add Tomato
Add Tomato
Add Tomato
Add Tomato
Add Tomato
blend
blend
blend
blend
blend
blend

3

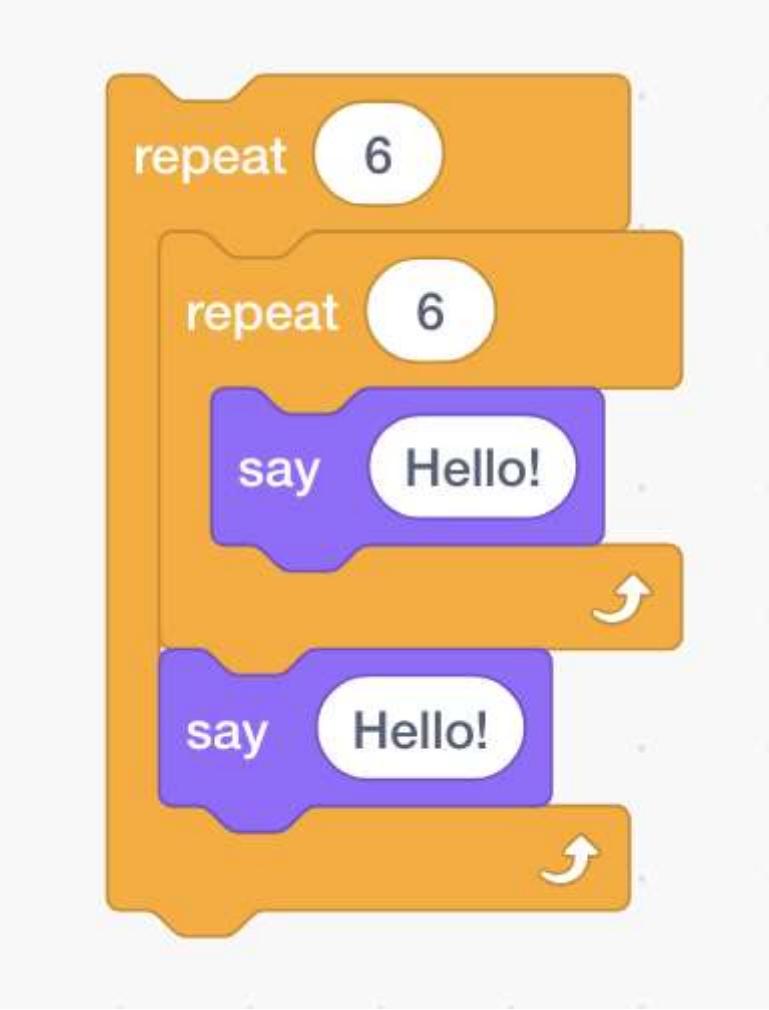

repeat 3
Add Tomato
repeat 3
blend

4


repeat 6
Add Tomato
repeat 6
blend

Q10

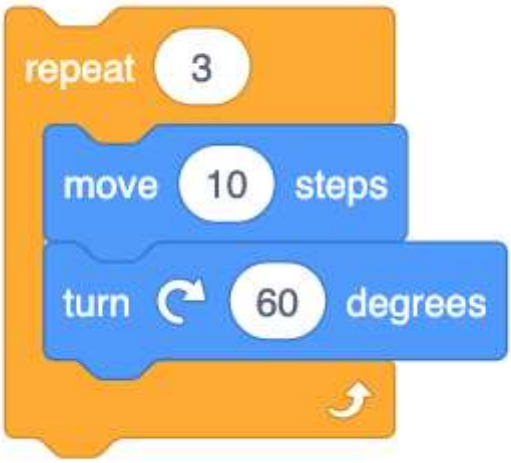
How many times does the sprite say "Hello!" in the following blocks?



- 6
- 36
- 38
- 42

Q1Excluded

What shape does the sprite following the blocks below create?



- Circle
- Square
- Triange
- Star

Not Included Q11Unused

How many "Hellos" are said in the following code?

- 15
- 10
- 5
- 50

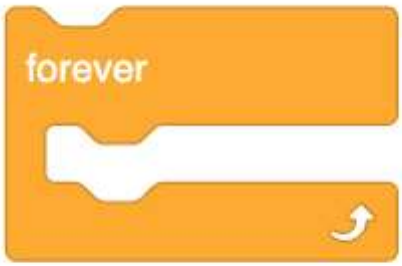
not included-Q9

A sprite needs to do a dance move called the corkscrew. This move consists of performing the following sequence 3 times: moving your hips to the left and right 2 times, and then jumping up. How many "loop" blocks would we need to most efficiently solve the problem?

- None
- 1
- 2
- 3

not included-Q11

Which situation is the following block most appropriate for?



- Making a sprite jump up and down 4 times
- Playing music until you hit the "stop" button
- Running a lap around a racetrack
- Moving a sprite from one place to another