Squares

Sprite1

(hidden)

❶

```
when [green flag] clicked
clear
set size ▾ to 100
go to x: 0 y: 0
pen down
repeat 4
    move size steps
    turn ↻ 90 degrees
turn ↻ 15 degrees
go to x: 0 y: 0
```
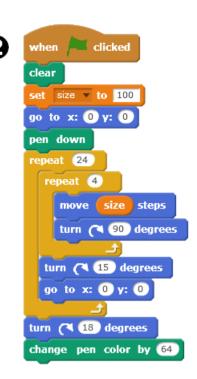
Start with this loop

What does it do?

❷

```
when [green flag] clicked
clear
set size ▾ to 100
go to x: 0 y: 0
pen down
repeat 24
    repeat 4
        move size steps
        turn ↻ 90 degrees
    turn ↺ 15 degrees
    go to x: 0 y: 0
turn ↻ 18 degrees
change pen color by 64
```

Round the first loop

Make a second loop

Make a third loop and then a fourth.

What is each loop doing. Play with the numbers what other shapes can you make?

❸

```
when [green flag] clicked
clear
set size ▾ to 100
go to x: 0 y: 0
pen down
repeat 5
    repeat 24
        repeat 4
            move size steps
            turn ↻ 90 degrees
        turn ↺ 15 degrees
        go to x: 0 y: 0
    turn ↻ 18 degrees
    change pen color by 64
change size ▾ by -25
```

❹

```
when [green flag] clicked
clear
set size ▾ to 100
go to x: 0 y: 0
pen down
repeat 4
    repeat 5
        repeat 24
            repeat 4
                move size steps
                turn ↻ 90 degrees
            turn ↺ 15 degrees
            go to x: 0 y: 0
        turn ↻ 18 degrees
        change pen color by 64
    change size ▾ by -25
pen up
```