Drawing Regular Shapes

What is a regular shape?

A. It has all angles and sides which are **equal**.

B. It has all angles and sides which are **unequal**.

C. A shape that has sides and angles of **any** length and size.

Triangle   Quadrilateral   Pentagon   Hexagon

Heptagon   Octagon   Nonagon   Decagon
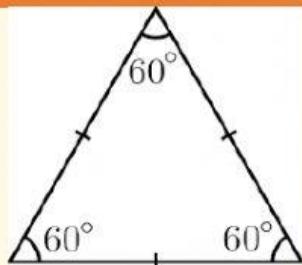
Is this shape regular or irregular?

60°

60°   60°

A. Irregular

B. Regular

C. Maybe

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when clicked
pen down
repeat (|)   ???
move 100 steps
turn 120 degrees
pen up
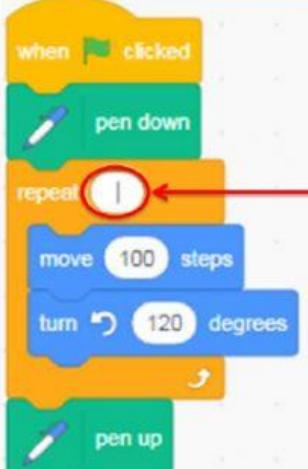
How many times do you need to repeat to draw a regular triangle?

Answer:

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when clicked
pen down
repeat 4
move 100 steps
turn ( ) degrees   ???
pen up
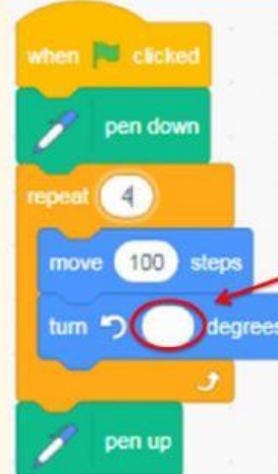
**How many degrees do you need to turn to draw a square in Scratch?**

A. 90   C. 72

B. 120   D. 60

What can we draw from this program?

```
when [flag] clicked
pen down
repeat 3
  move 150 steps
  turn ↻ 120 degrees
```
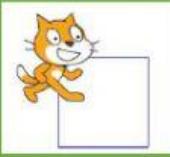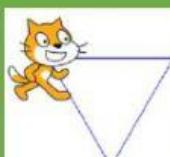
A
B
C
D

What can we draw from this program?

```
when [flag] clicked
pen down
repeat 4
  move 100 steps
  turn ↻ 90 degrees
```

A
B
C
D
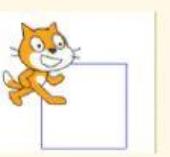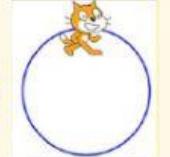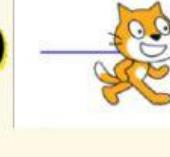
What can we draw from this program?

```
when [flag] clicked
pen down
move 100 steps
```

A
B
C
D

Q. What is the icon of Scratch programming?

answer choices

How many times do we need to repeat to draw a square?
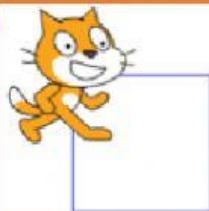
Draw lines to connect the functions with the correct blocks

move 10 steps

turn ↻ 15 degrees

repeat 10

| To slow down the program |
| To turn right 15 degrees |
| To turn left 15 degrees |
| To repeat actions |
| To move forward 10 steps |
| To start a program |

when 🏴 clicked

turn ↺ 15 degrees

wait 1 seconds

Draw lines to connect the functions with the correct pen blocks

erase all

pen up
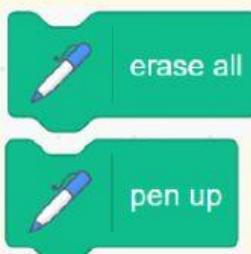
| To remove all previous drawings |
| To start drawing |
| To stop drawing |
| To set the pen's thickness |
| To set color of the pen |

pen down

set pen color to

set pen size to 1
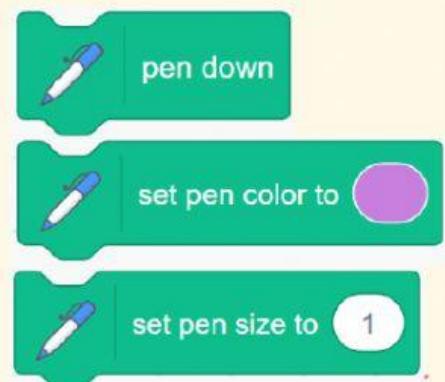
Choose the function of the buttons in the yellow boxes.