## Teacher Note:

Answers for each 2D shape have been provided. Please note that children may choose a different length for the sides of their shape.


Coding 2D Shapes Using Scratch

## Challenge 1

Use Scratch blocks to create this algorithm to draw a shape. Can you predict what the shape will be?

What shape did you draw?


Regent Studies | www.regentstudies.com


## Challenge 3

Use Scratch blocks to create this algorithm to draw a shape. Can you predict what the shape will be?

What shape did you draw?


## Challenge 4

Use Scratch blocks to create this algorithm to draw a shape. Can you predict what the shape will be?

What shape did you draw?


Coding 2D Shapes Using Scratch

## Challenge 2

Use a repeat block in
Scratch to create an algorithm to draw a shape. Can you predict what the shape will be?

What shape did you draw?


## Challenge 3

Use a repeat block in Scratch to create an algorithm to draw a shape. Can you predict what the shape will be?

What shape did you draw?


Challenge 4
Use a repeat block in Scratch to create an algorithm to draw a shape. Can you predict what the shape will be?

What shape did you draw?


Coding 2D Shapes Using Scratch

## Challenge 2

Complete the code to draw a square.

Helpful Hint: To draw a square each angle would need to be 90 degrees.


## Challenge 3

Complete the code to draw a pentagon.

Helpful Hint: To draw a pentagon each angle would need to be 72 degrees.


Challenge 4
Complete the code to draw a hexagon.

Helpful Hint: To draw a hexagon each angle would need to be 60 degrees.


Coding 2D Shapes Using Scratch

## Challenge 6

Complete the code to draw a square using a repeat loop.

Helpful Hint: To draw a square each angle would need to be 90 degrees.


## Challenge 7

Add the missing code to draw a pentagon using a repeat loop.

Helpful Hint: To draw a pentagon each angle would need to be 72 degrees.


## Challenge 8

Add the missing code to draw a hexagon using a repeat loop.

Helpful Hint: To draw a hexagon each angle would need to be 60 degrees.


Answer - triangle


Answer - square


## Answer - hexagon



