

Module 2

Think Like a Computer

1 Sample Solution

In the centre of the page draw a rectangle about 3mm high 3 cm wide.

At the midpoint of the top side of rectangle draw a line upwards 5cm in length.

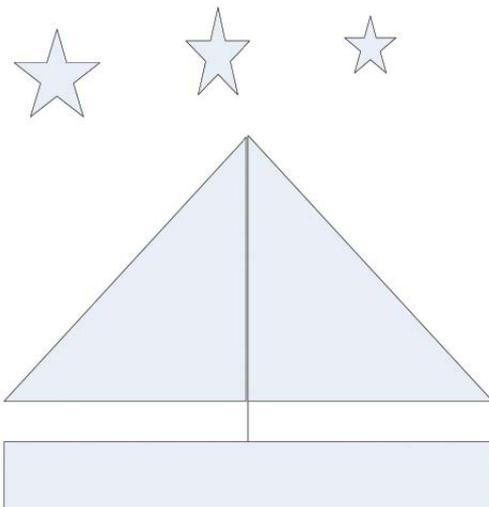
Draw a rectangle 4cm high 2 cm wide with the midpoint of the bottom side touching the top of the upwards line.

Draw 3 circles inside the top rectangle all 1cm in diameter that are centred horizontally across the rectangle and spaced evenly vertically in the rectangle.

2 Sample Solution

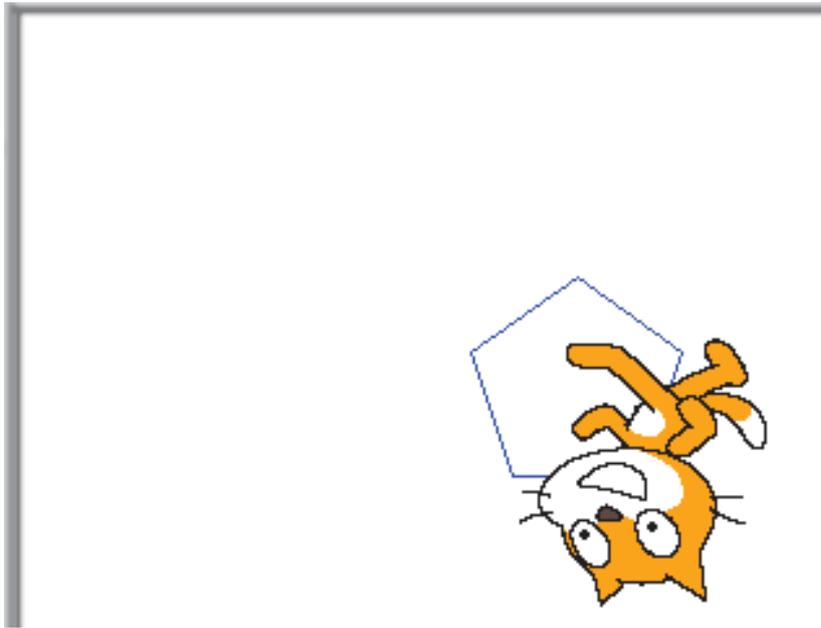
1. Draw 3 circles on top of each other. The top circle is the smallest, the middle circle is middle sized and the bottom circle is the largest
2. On top of the top circle, draw a square with a line underneath it extending out at the sides of the square
3. In the top area of the bottom circle draw a coloured small circle
4. In the centre of the middle circle draw two small coloured circles
5. In the top circle, draw two small solid circles side by side in the upper part of the circle
6. In the top circle, draw three small circles side by side in the bottom part of the circle in a U shape.
7. In the top circle, draw a left facing right angled triangle in the centre of the circle with the base twice the side of the height.
8. On the right hand side of the middle circle, draw a line facing north east direction and at the end of the line draw a small hexagon
9. On the left hand side of the middle circle, draw a line facing north west direction and at the end of the line draw a small hexagon

3



Could You Repeat That Please?

1



2

```
when clicked
point in direction -90
hide
clear
pen up
set pen color to pick random 0 to 200
set pen size to 10
go to x: 0 y: 0
pen down
repeat 360
  move 1 steps
  turn 1 degrees
pen up
change x by 150
pen down
repeat 5
  move 50 steps
  turn 72 degrees
```

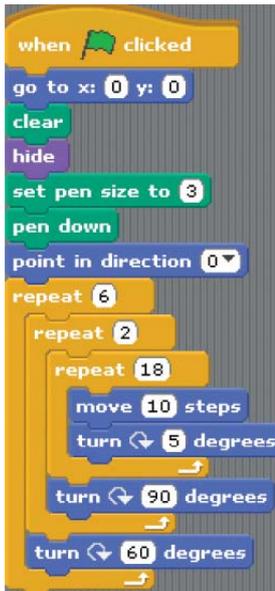
Over and Over Again

1



```
when clicked
clear
hide
set pen size to 5
pen up
go to x: 0 y: 0
point in direction -90
pen down
repeat 2
  repeat 4
    repeat 4
      move 50 steps
      turn 90 degrees
    turn 90 degrees
  pen up
  change pen color by pick random 1 to 100
  change x by 100
  change y by 100
  pen down
```

2



```
when clicked
go to x: 0 y: 0
clear
hide
set pen size to 3
pen down
point in direction 0
repeat 6
  repeat 2
    repeat 18
      move 10 steps
      turn 5 degrees
    turn 90 degrees
  turn 60 degrees
```

End of Module 2 Quiz

- 1 C.
- 2 B.
- 3 D.
- 4 C.
- 5 A.