

MODULE 2 • CHALLENGE 4

CRAZY COLOUR CHALLENGE



```

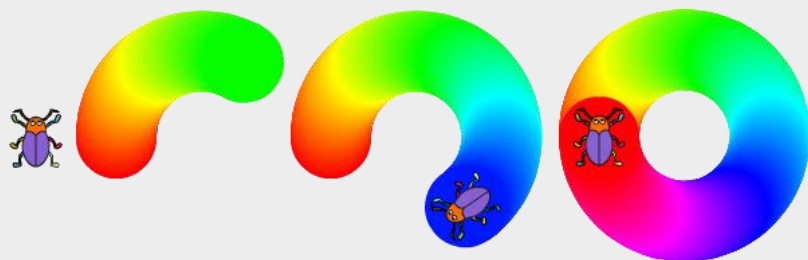
set pen color to 50
change pen color by 10
  
```

- Sometimes it is preferable to set pen colour by its number and shade as we can then use these numbers in our scripts.
- Numbers of colours go from 0 to 200 and are often visualized as a **colour wheel**. So why not to draw our own colour wheel...

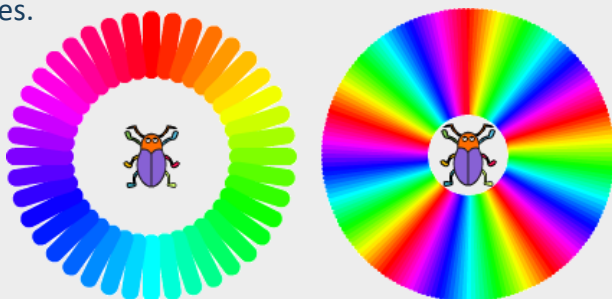
Why do we turn right 3.6?

```

set pen color to 0
set pen saturation to 100
set pen size to 60
repeat 100
  move 4 steps
  turn 3.6 degrees
  change pen color by 1
  
```



- Think of your own versions of the colour wheel. Here are two examples.



Extends Investigation 3. Use the Beetle sprite from the project 24-Swarming Dots.

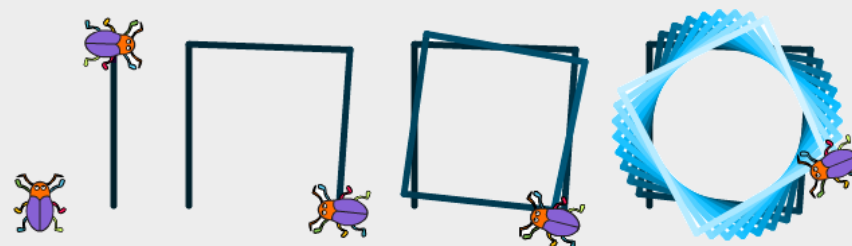
```

set pen saturation to 50
change pen saturation by 10
  
```

- Each colour has 100 different colour shades, numbered from 0 to 100. What if you use a similar idea and draw a colour shades wheel.



- Below are some more challenges using different colours and shades:



```

repeat 60
  jump to random position
  two dots
  
```

