

MODULE 2 • CHALLENGE 3

CRAZY COLOUR CHALLENGE



set pen color to 

change pen color by 

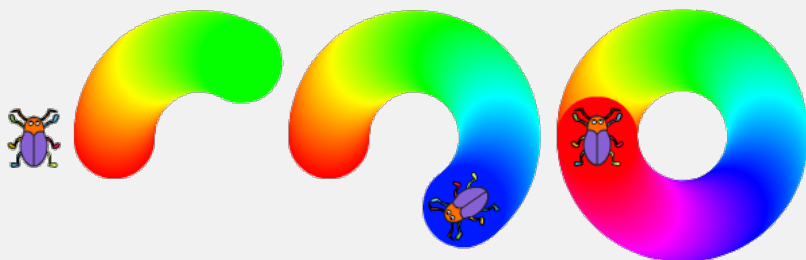
► Sometimes it is preferable to set pen colour by its number and shade as we can then use these numbers in our scripts.

► 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...

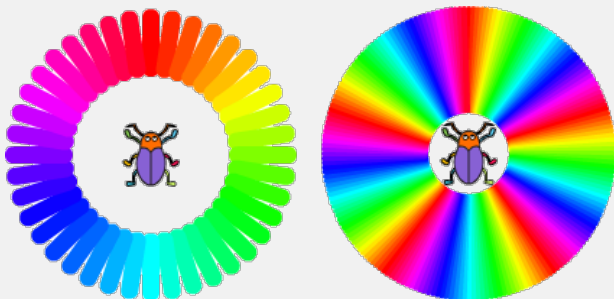
```

set pen color to 0
set pen size to 60
repeat 200
  move 2 steps
  turn 1.8 degrees
  change pen color by 1
  
```

Why did we use **turn 1.8**?



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

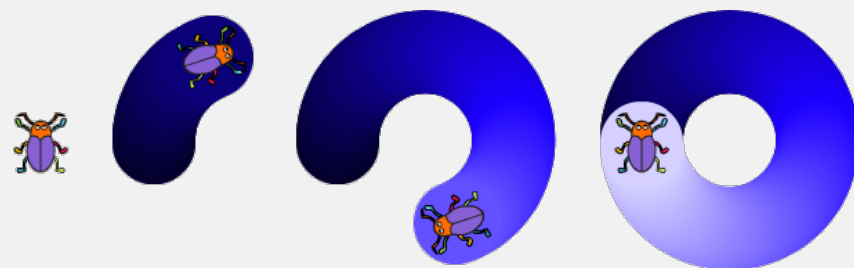


Extends **Investigation 3**. Use the Beetle sprite from the project **2-Swarming Dots**.

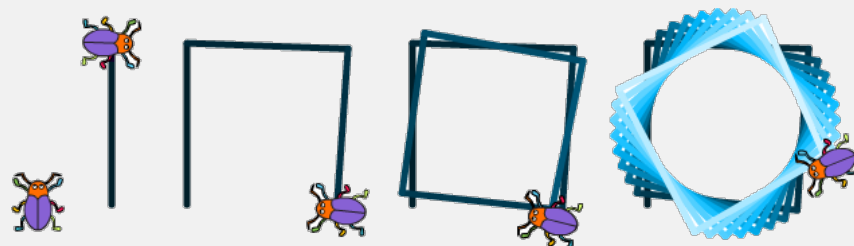
set pen shade to 

change pen shade by 

► 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
  double dot
  
```

