



# Flower Power Shapewheels

Help the Root Coding Robot create shapewheel flowers from the garden!

Copy the code below into a new project in the iRobot Coding App. Which shapewheel flower does your Root make? Match the code with the correct shapewheel flower and draw a line to connect them. Hint: There will be one shape that does not match any code.

1. **when program started**

```

set marker down
repeat 8
  repeat 3
    move 16 cm
    turn right 120 deg
  turn right 45 deg
        
```

2. **when program started**

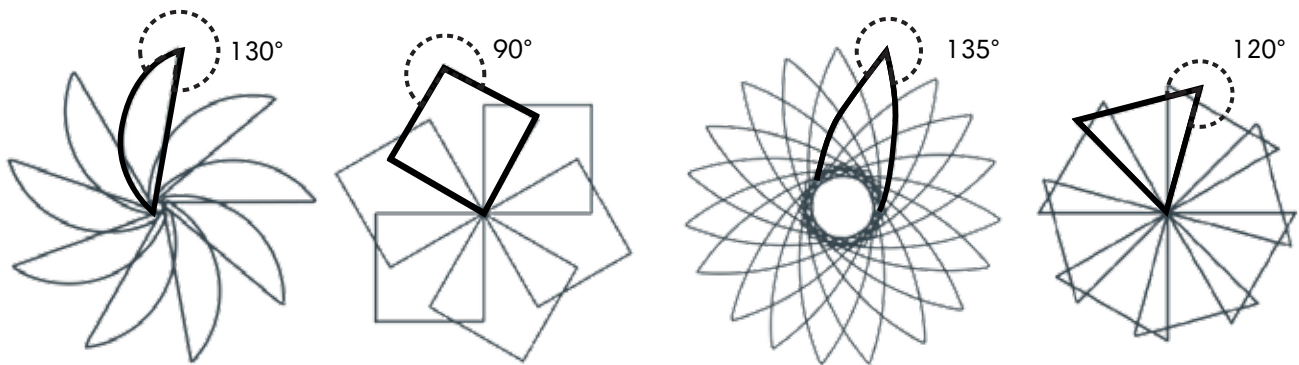
```

set marker down
repeat 6
  repeat 3
    move 16 cm
    turn right 90 deg
  move 16 cm
  turn right 30 deg
        
```

3. **when program started**

```

set marker down
repeat 9
  set wheel speeds: left 10 right 4 cm/s
  wait 3 s
  set wheel speeds: left 0 right 0 cm/s
  wait 1 s
  turn right 130 deg
  set wheel speeds: left 10 right 10 cm/s
  wait 2 s
  turn right 90 deg
        
```



## Going Further

Code your own flower shapewheel! Start a new project or edit the code above! Experiment with different angles, distances, and wheel speeds. How many unique shapes can you create?