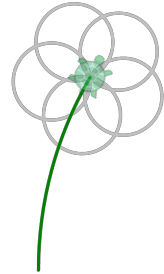# Activity: Draw A Flower

pencilcode.net

1. Before you start, plan out your drawing. Here is a five-petal flower.

- What color do we want to start with? A green stem: `pen green`
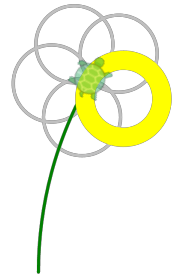- We can make a curved stem by drawing a small part of a big circle: `rt 30,200`

```
pen green
rt 30,200
```

2. Draw the first petal.

- You can use a thick pen by giving both a color and a number to pen: `pen yellow,10`
- A full circle is 360 degrees, so `rt 360,20` draws a whole circle of radius 20.

```
pen green
rt 30,200
pen yellow,10
rt 360,20
```

3. Turn and then draw the next petal.

- We are planning 5 petals, and there are 360 degrees in a circle.
- To arrange the petals symmetrically, we want to turn 5 times equally.
- So we want to turn 360 ÷ 5 = 72 degrees before each petal.
- Repeat until our flower is complete.

```
pen green
rt 30,200
pen yellow,10
rt 360,20
rt 72
rt 360,20
rt 72
rt 360, 20
```