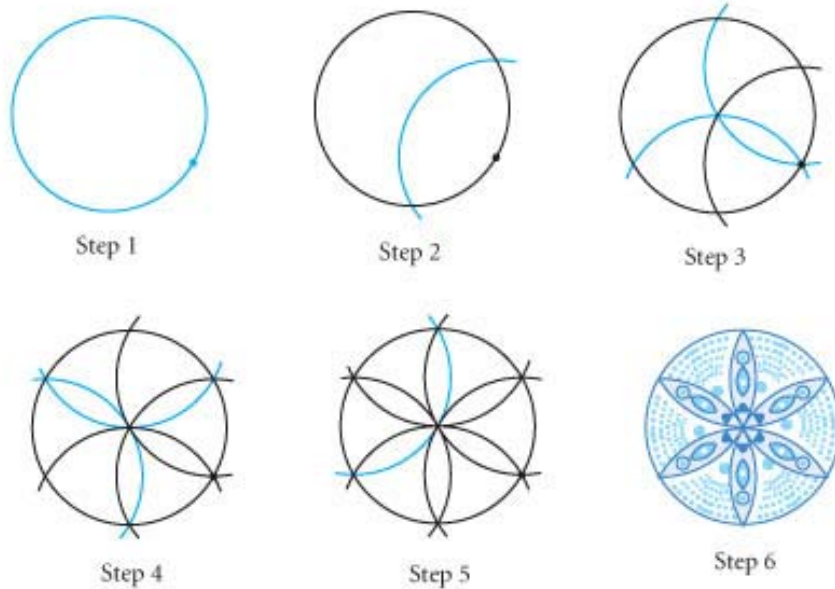


Here is another design that you can make using only a compass. Start by constructing a circle, then select any point on it. Without changing your compass setting, swing an arc centered at the selected point. Swing an arc with each of the two new points as centers, and so on.

### The Daisy

Dynamic Geometry Explorations at [www.keymath.com/DG](http://www.keymath.com/DG) show geometric concepts visually using interactive sketches.



[keymath.com/DG](http://keymath.com/DG)

▶ See the **Dynamic Geometry Exploration** Daisy Designs at [www.keymath.com/DG](http://www.keymath.com/DG) ◀

Notice the shape you get by connecting the six petal tips of the daisy. This is a **regular hexagon**, a 6-sided figure whose sides are the same length and whose angles are all the same size.



Instead of stopping at the perimeter of the first circle, you can continue to swing full circles. Then you get a "field of daisies," as shown above.



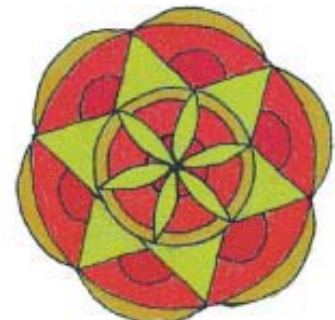
You can do many variations on a daisy design.



12-petal daisy



Field of daisies



Combination line and circle design  
(Can you see how it was made?)

Schuyler Smith, geometry student