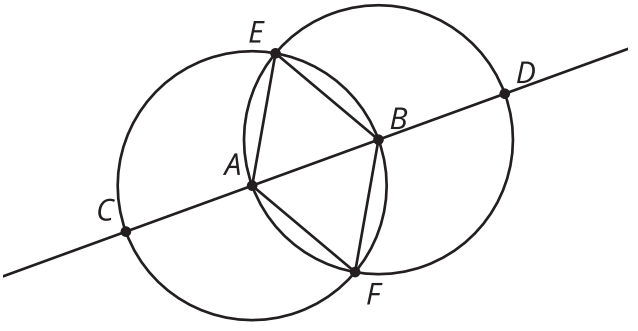
Unit 1 Lesson 2: Constructing Patterns

1 Math Talk: Why Is That True? (Warm up)

Student Task Statement

Here are 2 circles with centers A and B.



Based on the diagram, explain how you know each statement is true.

The length of segment EA is equal to the length of segment EB.

Triangle ABF is equilateral.

$AB = \frac{1}{3}CD$

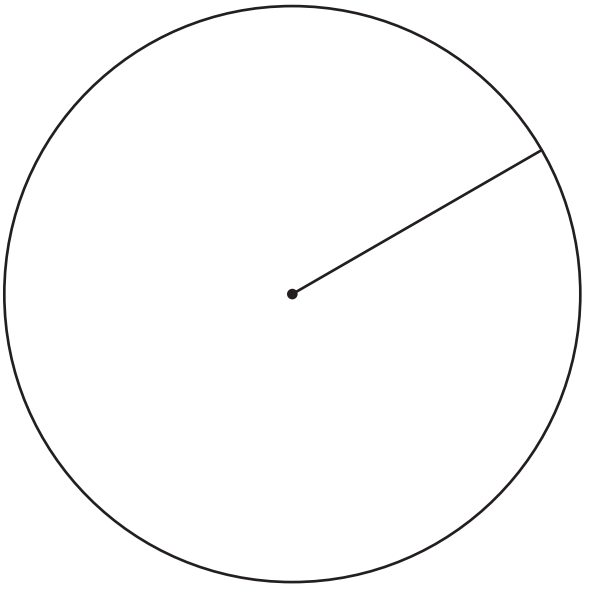
$CB = DA$

2 Make Your Own

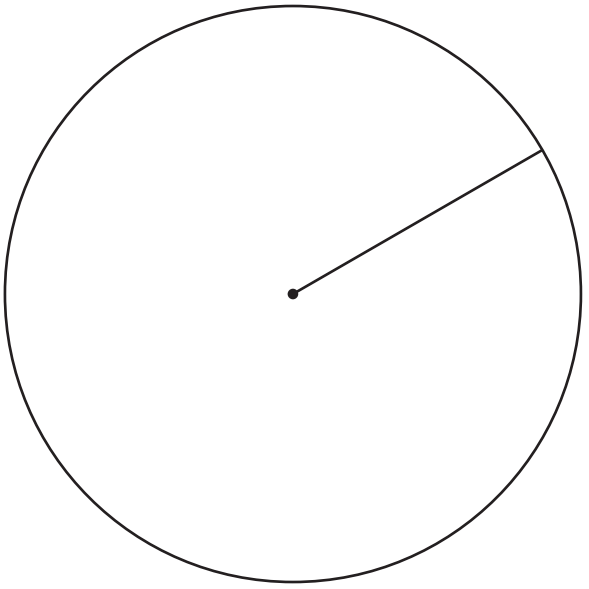
Images for Launch

Student Task Statement

Use straightedge and compass moves to build your own pattern using the circle and radius as a place to start. As you make your pattern, record each move on a separate sheet of blank paper. Use precise vocabulary so someone can make a perfect copy without seeing the original. Include instructions about how to shade or color your pattern.



3 Make Someone Else's

Student Task Statement

Follow the instructions precisely to recreate the pattern.