11-1

Launch

Center, Radius, and Diameter



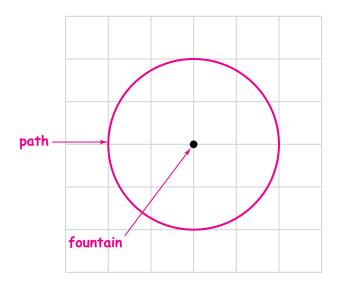
CCSS: 7.EE.B.4: Use variables to ... construct simple equations **7.G.B.4:** Know the formulas for the area and circumference of a circle and use them to solve problems Also, **7.EE.B.4a** and **7.G.A.2**.

SAMPLE SOLUTIONS ARE SHOWN BELOW.

© MP4, MP5

A landscaper wants to build a flower garden with a fountain in the center and a path on the outside. The landscaper wants the fountain to be same distance from anywhere on the path.

Draw the garden plan. Explain how it matches what the landscaper wants.



The flower garden needs to be a circle with a fountain in the middle.

Reflect Could the garden path be any shape and still match what the landscaper wants? Explain.

Sample: No, the path could only be a circle. A circular path is the

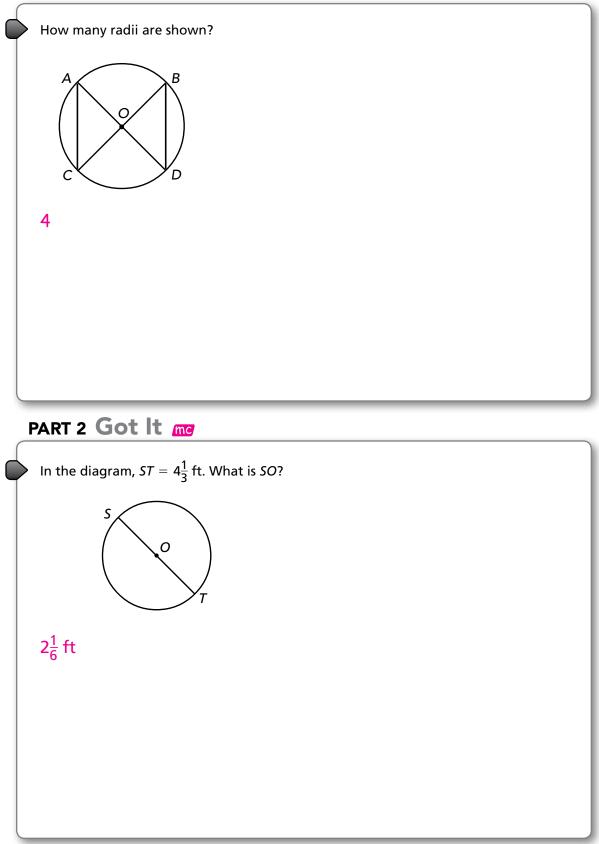
only shape for which the fountain at the center of the circle is

the same distance from every point on the path.

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Got It?

PART 1 Got It me

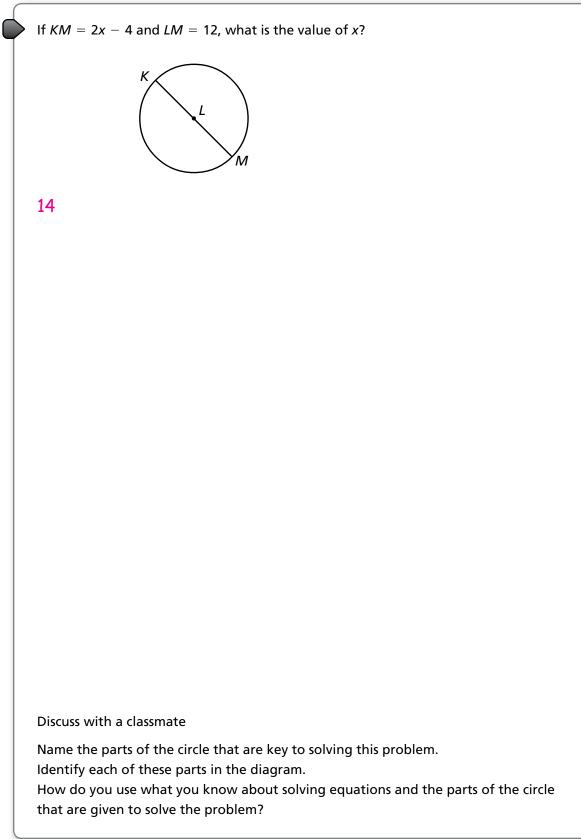


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Topic 11 264

Got It?

PART 3 Got It m



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Close and Check

