

Math by Design
Flossville Town Park Tasks and Subtasks Answer Key

Who's Hungry?

Mayor Barnum likes the idea of providing some revenue to the town by including a snack bar. Of course, health regulations require that the snack bar be in close proximity to the restrooms, and the Mayor wants the snack bar close to the intersection of the paths as well!

Place the snack bar in the park.

Details:

The shape of the snack bar is similar to (but smaller than) the shape of the playground area.

The dimensions of the snack bar are half those of the playground area and the figure is rotated 180 degrees.

The snack bar is on the western edge of the park.

Accepted Answers: The snack bar should be placed near the lower left corner of the grid, between the two trees and along the edge. It should cover a 2 by 2 square with a semicircle of radius 1 unit at the top. The shape will snap to a specific placement used for the 3-D view.

Playground area has a 4 unit by 4 unit square and a semicircle with diameter 4 units. Since the dimensions of the snack bar are half those of the playground, the snack bar should have a square 2 units by 2 units and a semicircle with diameter of 2 units. Since it is rotated 180 degrees, the semicircle should be at the top and the square at the bottom.

