

Sharing

César has 18 candies and shares them according to the following rule:

Three for Helena, two for Tomás, one for me, ...
Three for Helena, two for Tomás, one for me, ...
And he continues like this until all the candies are gone.

In the end, how many candies does each of them have?



Array

In each row and each column of the following 5x5 array, the digits 1 through 5 must appear exactly once.

Furthermore, the sum of the digits in each of the three regions into which the array has been divided by the thick lines must be the same.

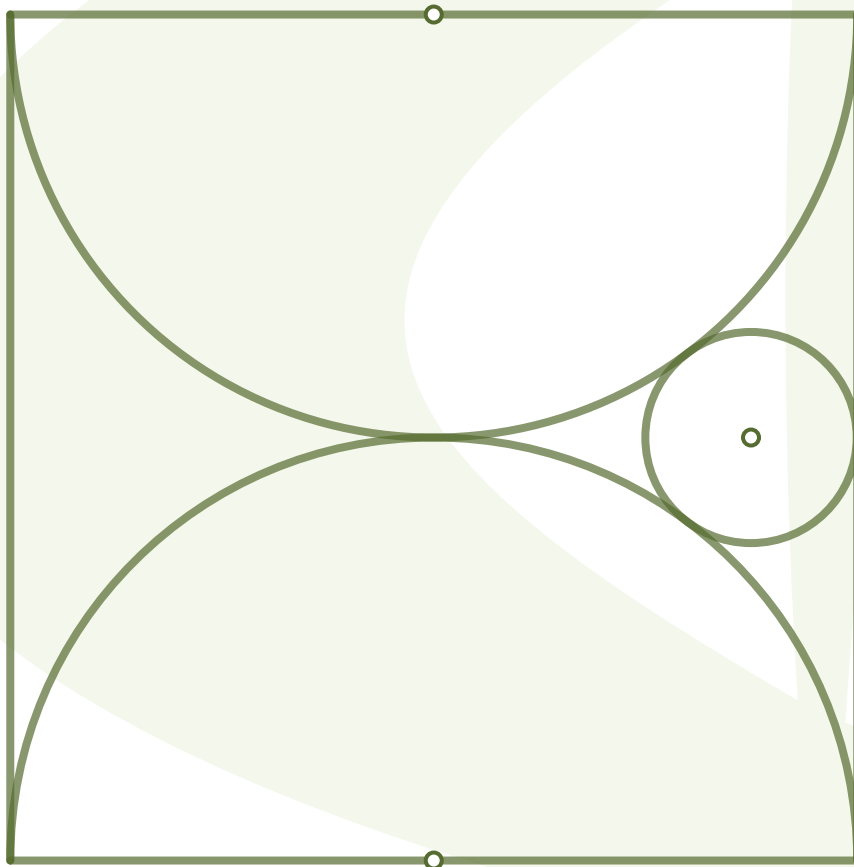
A '3' has been placed in the bottom left corner.

				?
3				

What digit should appear in the top right corner?



Quick Geometry Semicircles



Two semicircles are drawn inside a square with sides of length 12. A circle is then drawn tangent to all three figures.

Determine the radius of the circle.