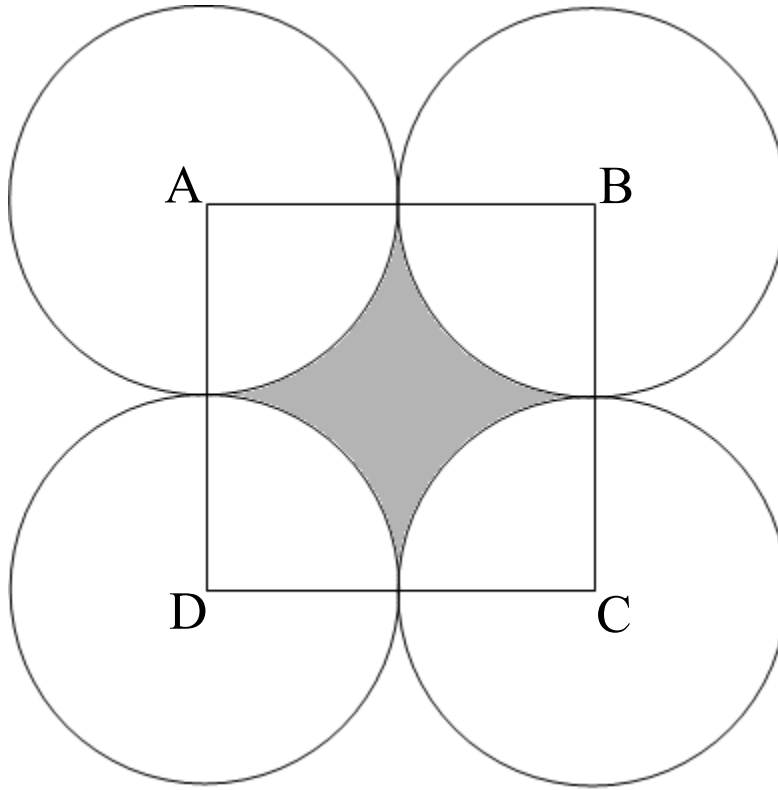


The Area Problem



Square ABCD has the centers of four circles as its vertices at points A, B, C, and D. If each circle has a radius of 5 cm, find the area of the shaded region.

[Source: *Mathematics Teaching in the Middle School*, volume 11, number 4, November 2005]