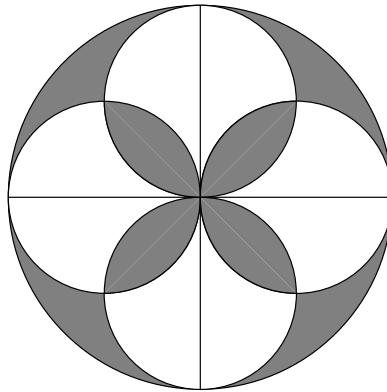


I U P U I
MATH CLUB TEASER #7

November 14, 2008
(due November 21, 2008)

SOLUTION

Join four copies of the picture to make a full circle with four smaller circles inside:



The radius of the smaller circles is half of the larger, so they each have one quarter of the large circle area. In other words, the four small circles together have the same area as the large one. Then, the area they fail to cover on the border is equal to the area of the central flower where they overlap.

SOLVED BY:

Captain Nemo, Dream Team, the Procrastinator, the Residues.