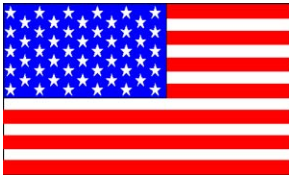# The JETS Challenge
Provided by Dave Meredith, Associate Professor,
Penn State University-Fayette

Challenge 20 — The Challenge of the Folded Flag

Problem:

When a 4 ft by 6 ft American flag is properly folded, the top to bottom are first folded twice, and then the length is folded into the isosceles right triangular shape of a patriot's hat.

How many layers of material are in the center of the triangle in a folded flag (neglecting length loss due to thickness of folds)?

Solution:

48 layers