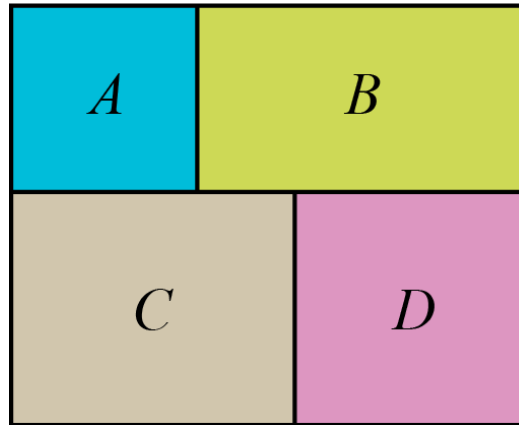# Problem of the Week
Problem A
Quilting Puzzle

The employees of Sew Inspired need to make a tiny quilt for a special project using four different colours of fabric. Their quilt pattern is a rectangle divided into four smaller rectangles, marked A, B, C, and D.

Piece A is a square with area 16 cm^2 and piece D is a square with area 25 cm^2. The horizontal distance between the right side of piece A and the left side of piece D is 2 cm. What is the area of the entire quilt?

THEMES: GEOMETRY & MEASUREMENT, NUMBER SENSE