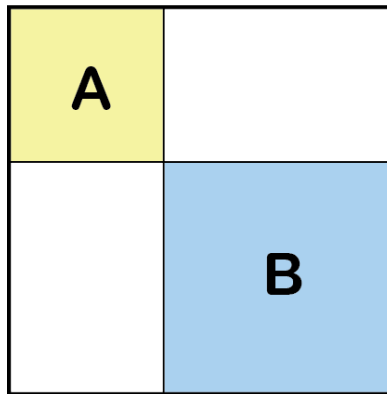# Problem of the Week
Problem A
What's My Perimeter?

A large square is divided into four rectangles by drawing two straight lines inside the square; one line parallel to the bottom of the square, and one line parallel to the side of the square. Two of the rectangles created are also squares. These squares are labelled A and B in the diagram.

Square A has an area of $16\,\text{cm}^2$ and square B has an area of $36\,\text{cm}^2$.

What is the perimeter of the original square?