



**Problem of the Week**  
**Problem D**  
**The Case of the Missing Square**

Rectangle  $DEFG$  has square  $ABCD$  removed leaving an area of  $92 \text{ m}^2$ . Side  $AE = 4 \text{ m}$  and side  $CG = 8 \text{ m}$ .

Determine the original area of rectangle  $DEFG$ .

