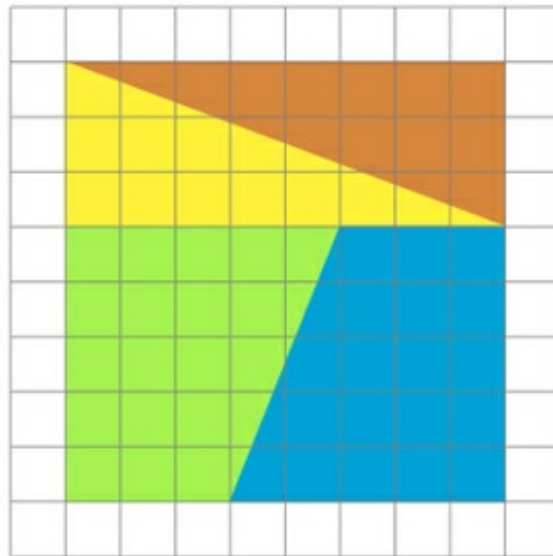


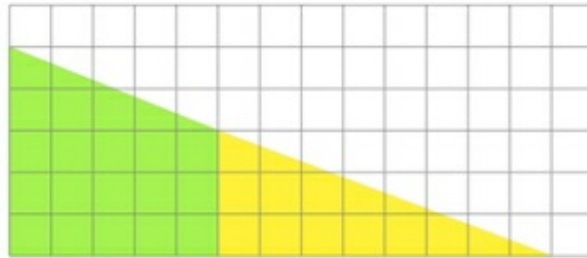
## 8.G, 8.EE Different Areas?

### Task

Below is a picture of an 8 by 8 square divided into four polygons:



The green and yellow polygons can be combined along their 3 unit edges as shown below:



- What is the area of the green and yellow shape above? What about the area of the blue quadrilateral and orange triangle?
- What is the area of the original square?
- Are the answers to (a) and (b) consistent? Explain.



8.G, 8.EE Different Areas?  
Typeset May 4, 2016 at 23:30:58. Licensed by Illustrative Mathematics under a  
Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License .