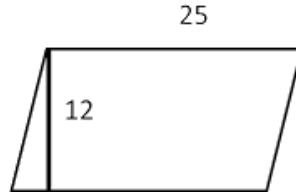
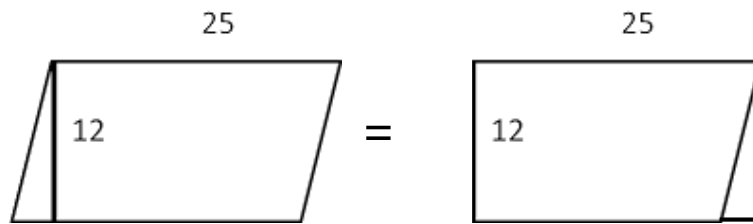


## Possible Solution

How can the following parallelogram be decomposed into a rectangle to find the area?



Remember that students will be decomposing the shape. The easiest way to work with this is to either create a paper shape that looks similar and move, or manipulate it on the paper. Students will decompose the parallelogram, moving the triangle formed and shown to the other side to create a rectangle.



Then, students can use the formula for the rectangle to solve, which will come into play for the standard 6.8C. If using these 2 in conjunction with each other, they can do both. So, they would multiply the base, the longest length in this case 25, by the height (width or smaller side, in this case 12) to solve.

So,  $A = 25 \times 12$ , which means the Area of this parallelogram is 300.