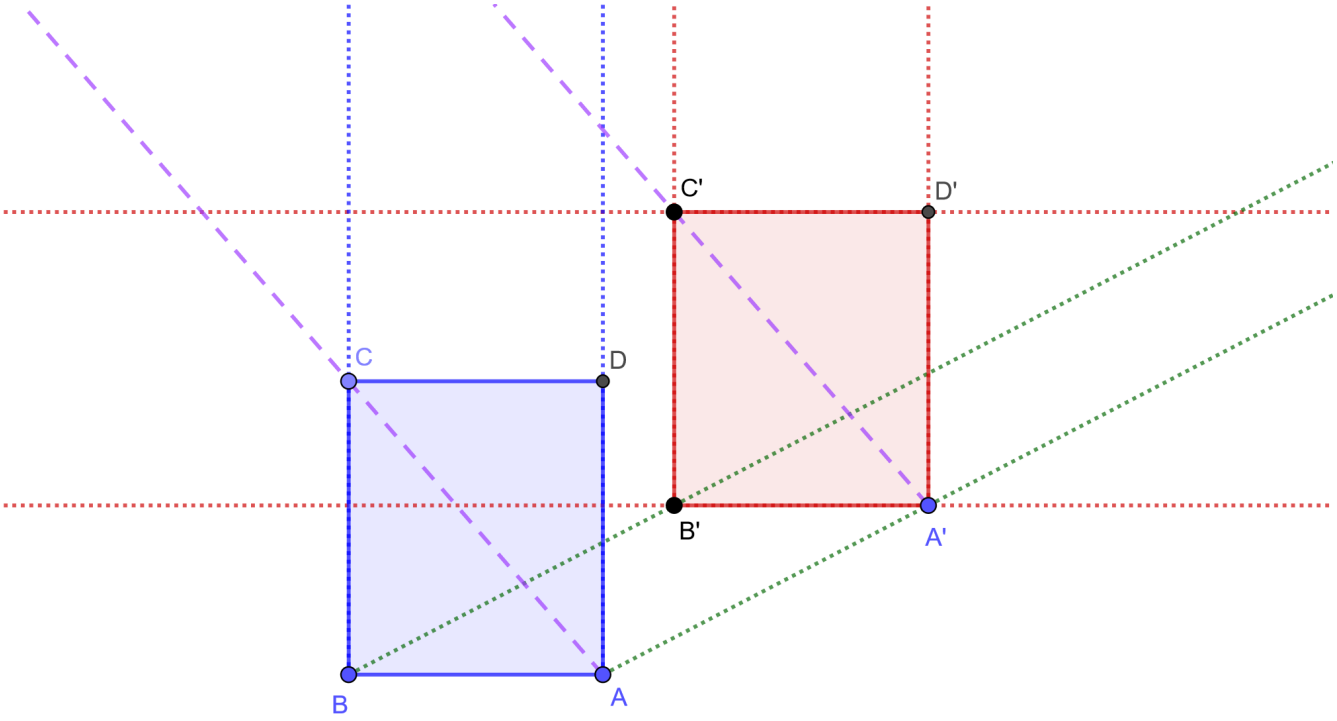
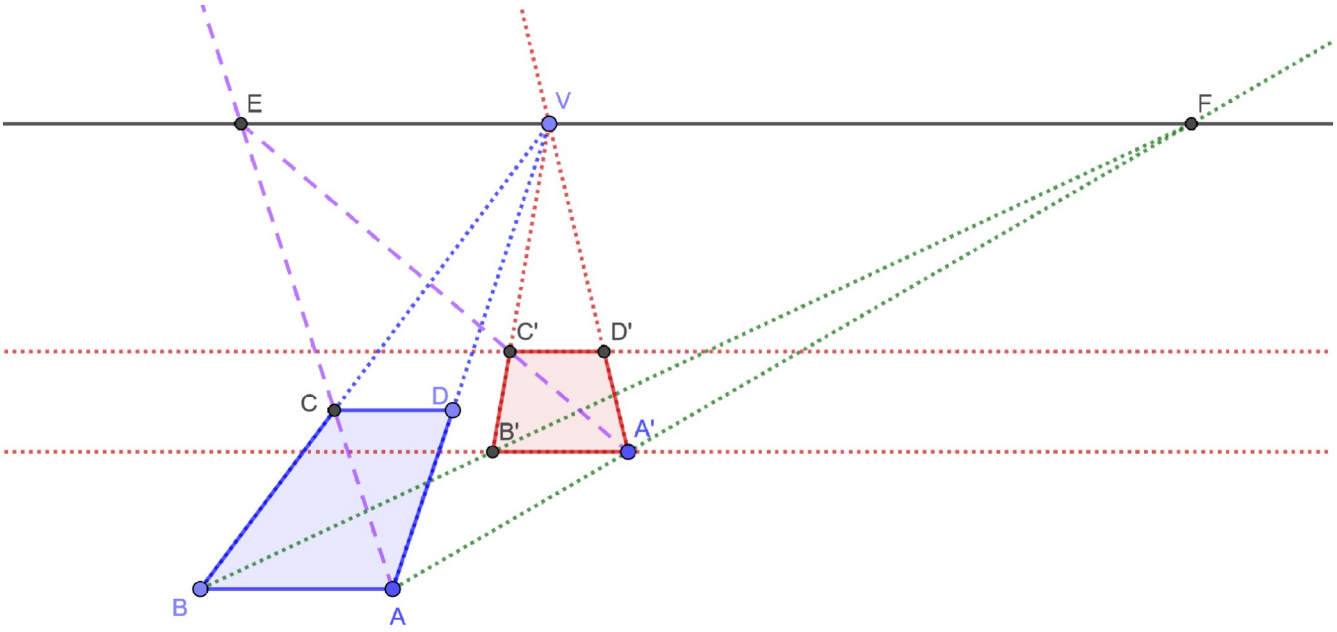
In this exercise we will learn how to construct rectangles of equal size in one point perspective even when the rectangles are not touching each other. As usual, we start by visualizing the situation from a top-down view:



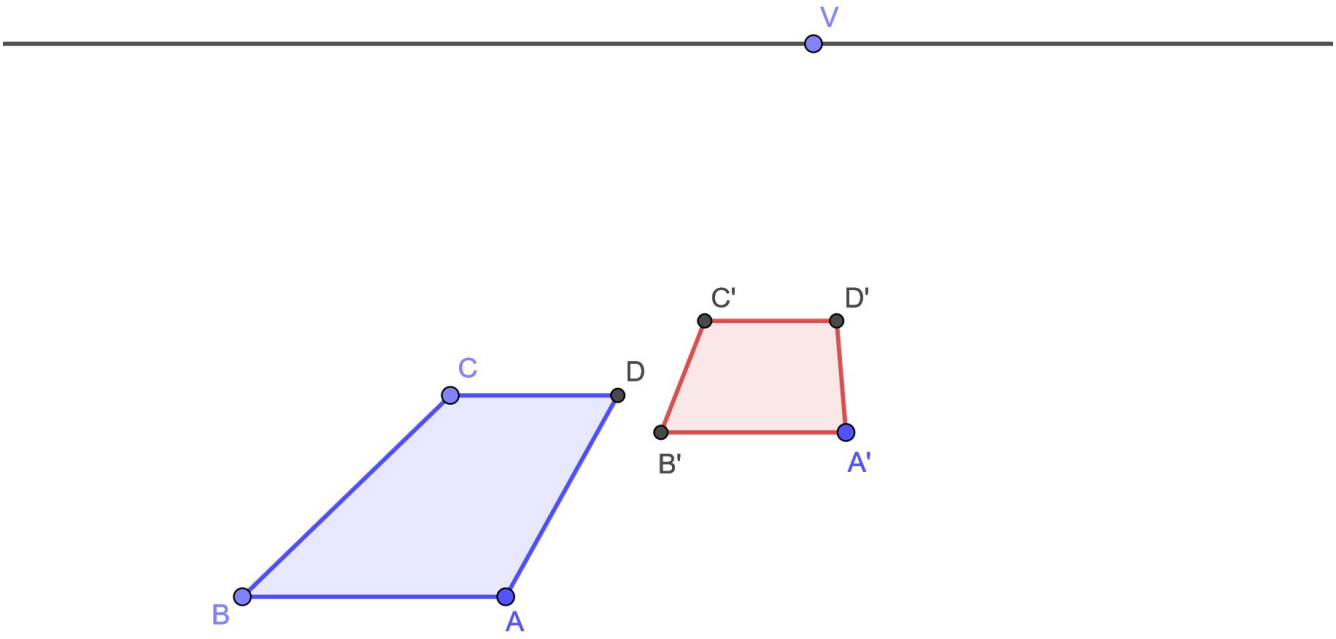
Notice that we can observe several sets of parallel lines. You are given the rectangle ABCD to start with, plus another point A'. You need to think of what sequence of constructions you would use to construct the points B', C', and D' (hint: I would probably construct them in that order). Use the fact that each set of parallel lines will have its own vanishing point on the horizon in perspective.

Now here is the same set of construction lines visualized in one point perspective:



Again, think through what steps you would take to construct the desired points.

Finally, hide your construction lines and points so the image looks like this:



Check that only the original movable points are movable at the end, and that the rectangles maintain the appearance of equal size and correct perspective as points are moved.