

## Subdividing Rectangles:

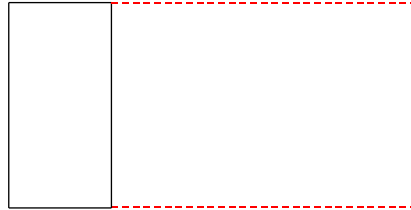
To divide a rectangle drawn in perspective in half, or to find the midpoint of one of its sides, use a couple basic facts of perspective:

- The center of rectangle occurs where the two diagonals intersect
- Parallel lines (that aren't parallel to the picture plane) share a vanishing point.

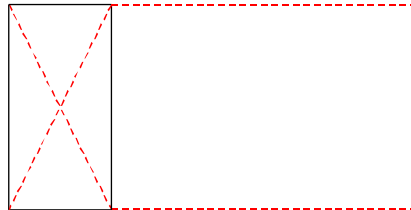
## Duplicating Rectangles:

To draw a duplicate attached to the right side of your rectangle, translate these ideas into perspective, again remember that parallel lines share a vanishing point.

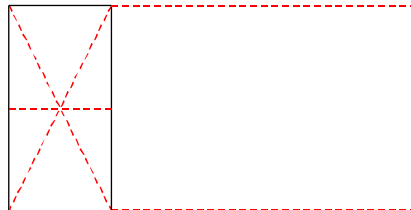
Begin with the original rectangle you'd like to duplicate. Extend the sides of the original rectangle



Locate the center of the original rectangle



Locate middle of side you're attaching to



Connect far corner to this midpoint and extend. Where it hits the extension of one side is one corner of our new rectangle. Draw edge parallel to the other edges to get the side of the rectangle.

