

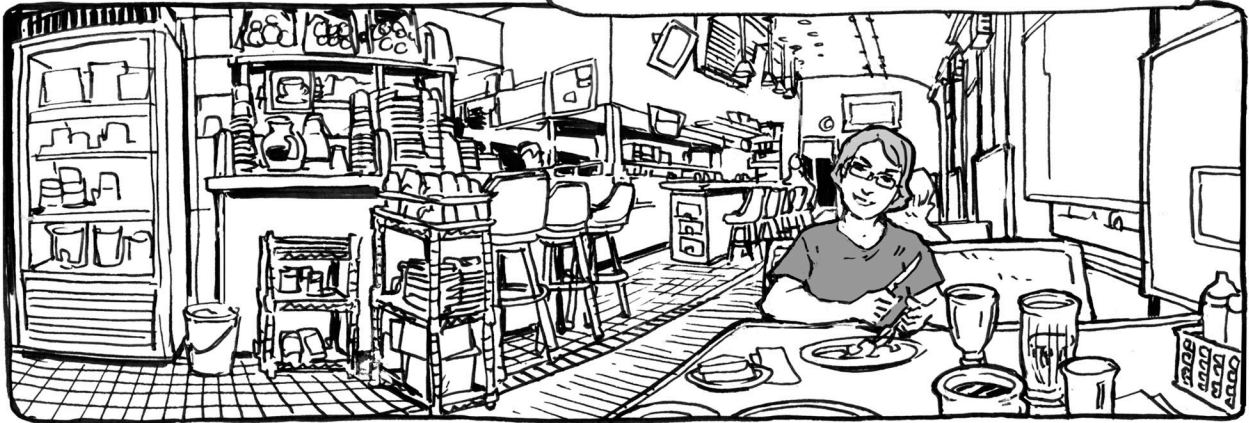
SO WHY ARE YOU BRINGING A PICTURE PLANE TO BREAKFAST?



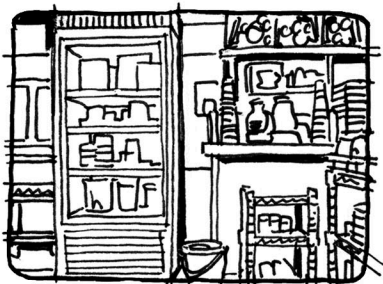
OH, THIS? IT'S TO ILLUSTRATE A POINT ABOUT 1-POINT PERSPECTIVE VS. 2-POINT PERSPECTIVE!

A PERSPECTIVE TUTORIAL BY MARK SIMMONS

SINCE OUR CONE OF VISION IS ONLY ABOUT 60 DEGREES, WE CAN ONLY SEE A LITTLE BIT OF OUR SURROUNDINGS AT A TIME. GOOD THING, TOO! OTHERWISE, THE WORLD WOULD LOOK LIKE THIS...



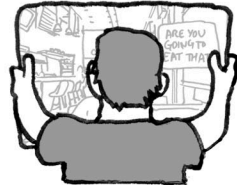
IF I TURN MY PICTURE PLANE TO THE LEFT, THE VIEW I SEE CAN BE SIMPLIFIED INTO 1-POINT PERSPECTIVE.



IF I TURN 45°, ALL THESE SURFACES ARE ANGLED AWAY FROM THE PICTURE PLANE. IT'S A 2-POINT VIEW.



ANOTHER 45°, AND I'M BACK TO A 1-POINT VIEW AGAIN. THANKS, PICTURE PLANE!



4 CHECKLIST CONSTRUCTIONS

LET'S REVISIT THESE AGAIN. THEY'RE USEFUL TRICKS THAT WORK IN BOTH 1-POINT AND 2-POINT PERSPECTIVE!

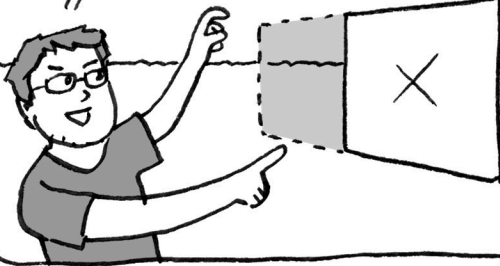
ALL WE NEED TO KNOW IS OUR HORIZON LINE AND THE OBJECT'S VANISHING POINTS.

VANISHING POINT IS THATAWAY!

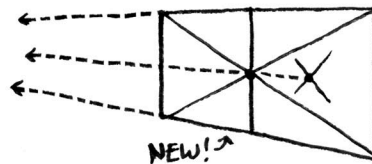


REMEMBER, WE CAN DRAW AN X THROUGH THE CORNERS OF ANY RECTANGLE TO FIND ITS CENTER!

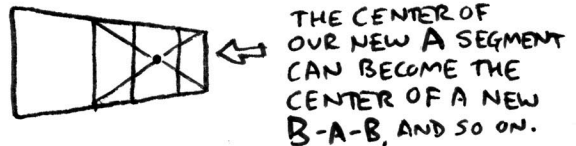
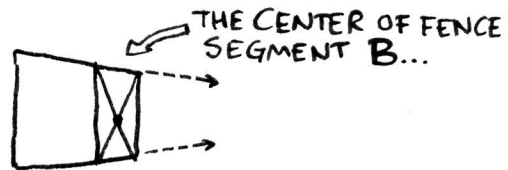
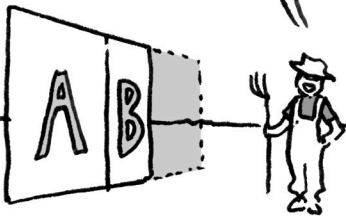
IF WE WANT TO DRAW A NEW DOUBLE RECTANGLE, TWICE AS WIDE AS THIS ONE...



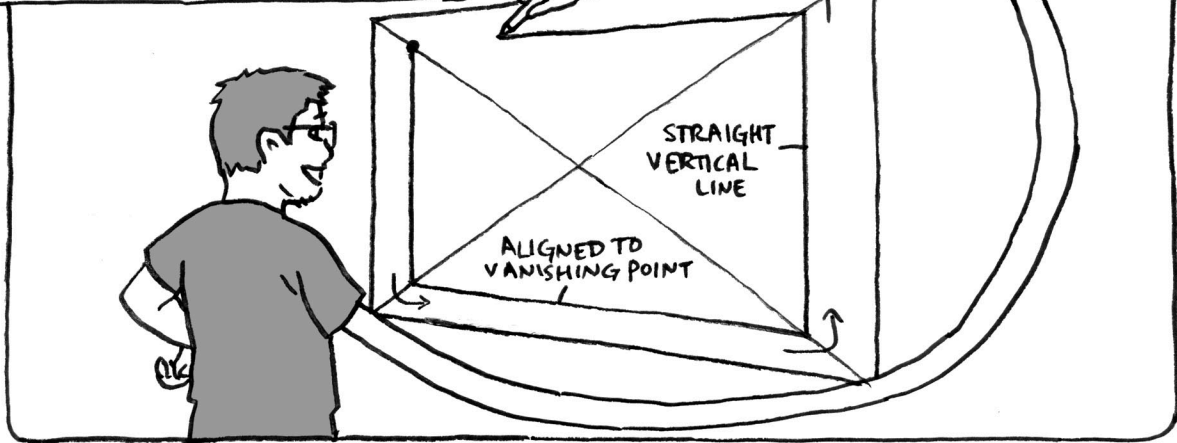
WE TRACE THE CENTERLINE BACK TO THE VANISHING POINT, FIND THE CENTER OF OUR NEW DOUBLE-WIDE RECTANGLE, THEN DRAW A BIG X TO FIND ITS CORNERS.



NOW, WHAT IF WE WANT TO REPEAT THE FIRST SEGMENT OF THIS HERE FENCE?



WE CAN ALSO USE OUR CENTRAL X TO DRAW A PROPORTIONAL FRAME INSIDE OUR RECTANGLE.

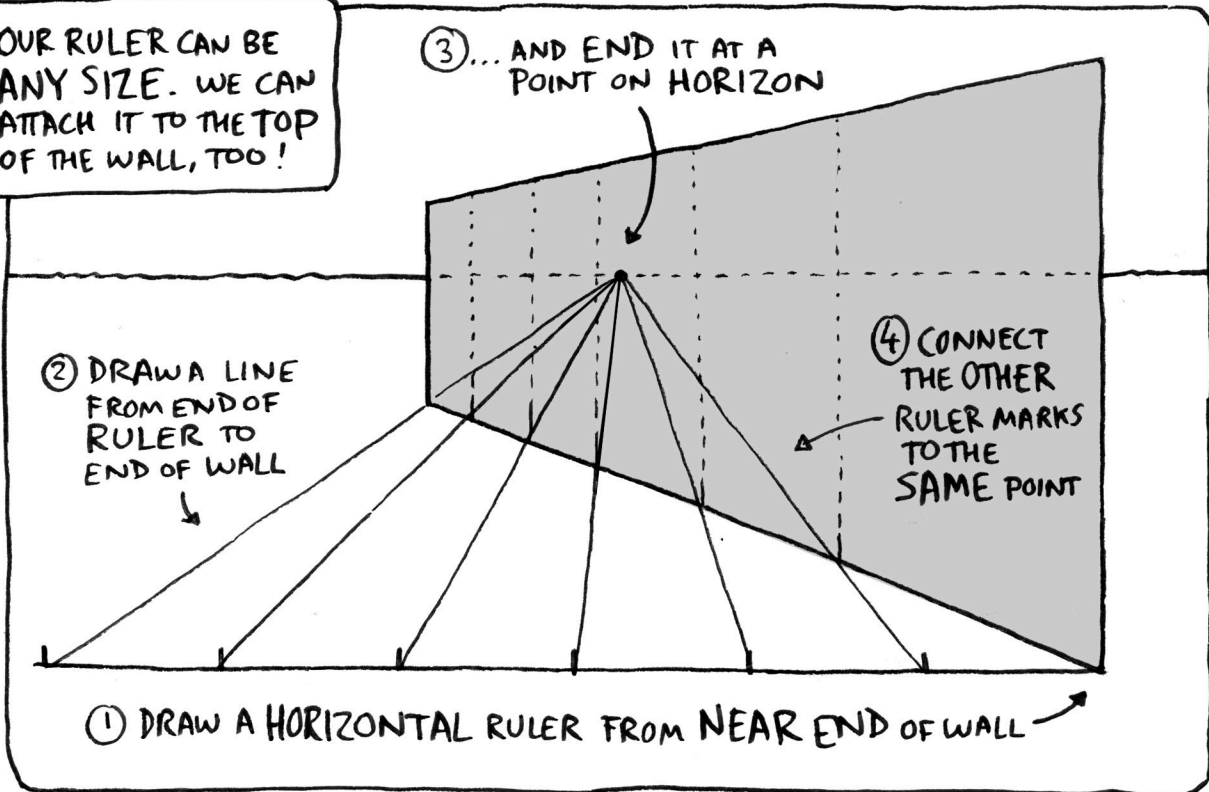


FINALLY, WE HAVE THE MYSTERIOUS MEASURE. THIS LETS US DIVIDE UP A LINE, WALL, ETC. INTO EQUAL SEGMENTS.



BUT WE HAVE TO DO IT JUST RIGHT!

OUR RULER CAN BE ANY SIZE. WE CAN ATTACH IT TO THE TOP OF THE WALL, TOO!



② DRAW A LINE FROM END OF RULER TO END OF WALL

③ ... AND END IT AT A POINT ON HORIZON

④ CONNECT THE OTHER RULER MARKS TO THE SAME POINT

① DRAW A HORIZONTAL RULER FROM NEAR END OF WALL