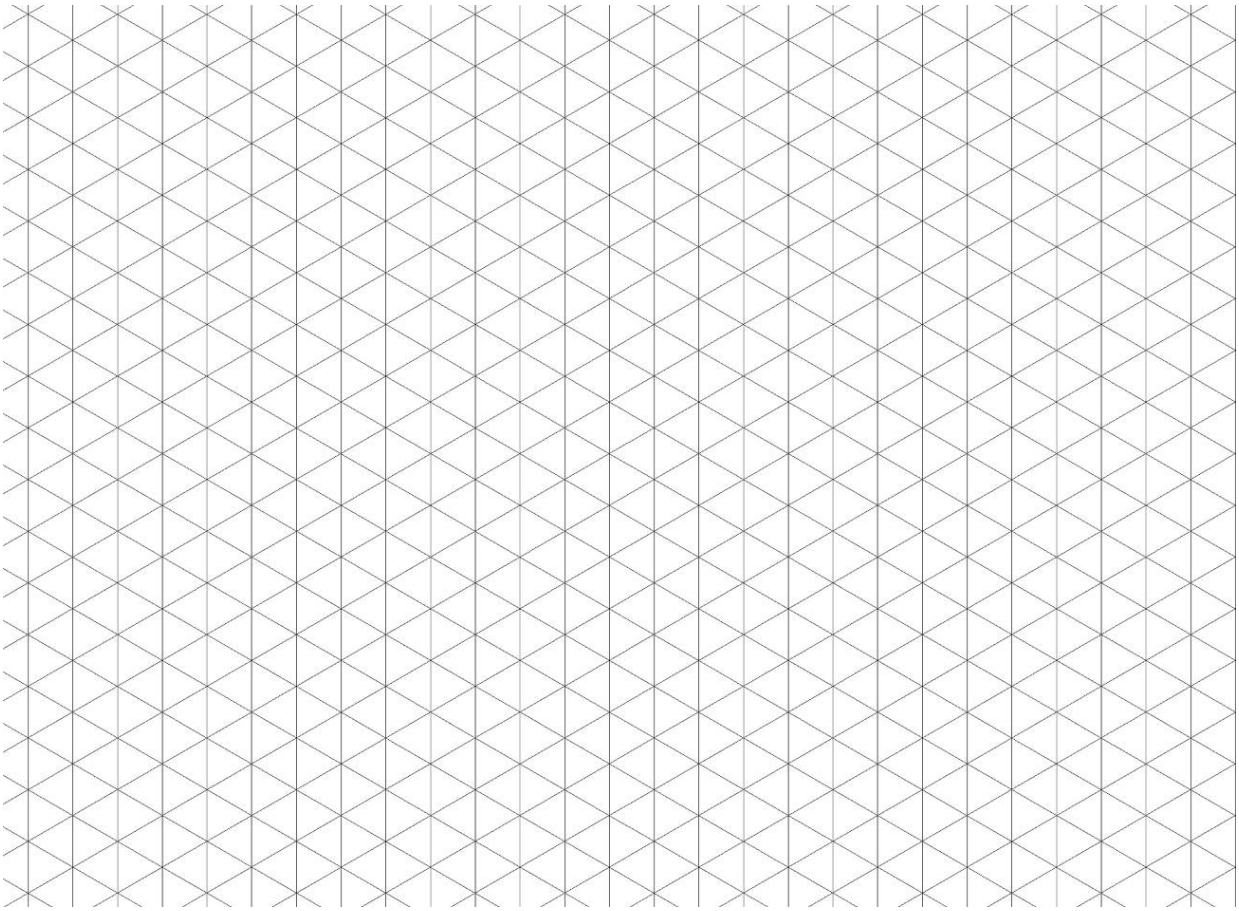
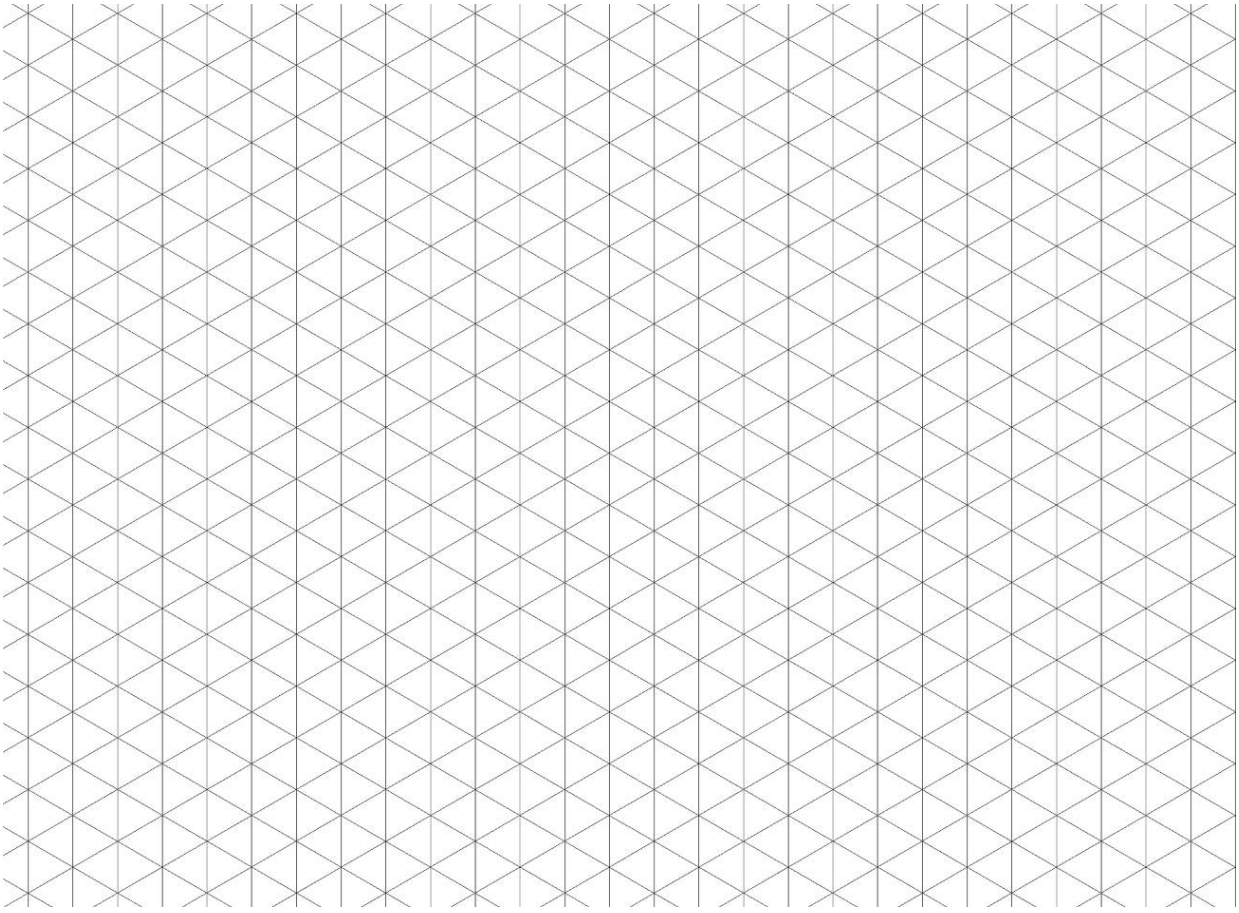
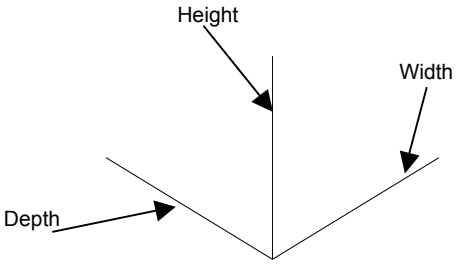


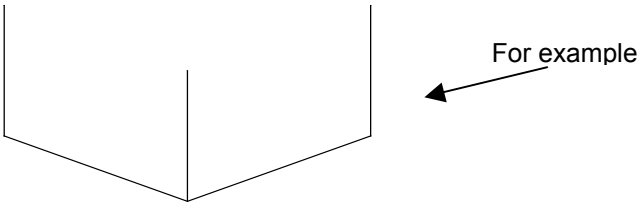


Follow the steps below to create an isometric sketch using the additive and subtractive method to create a 3D picture.

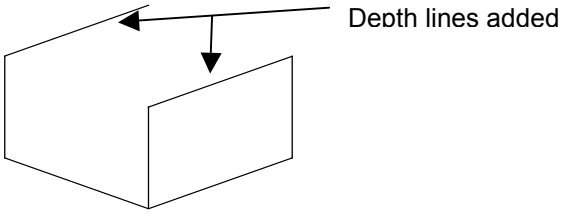
Start with the Isometric axis.



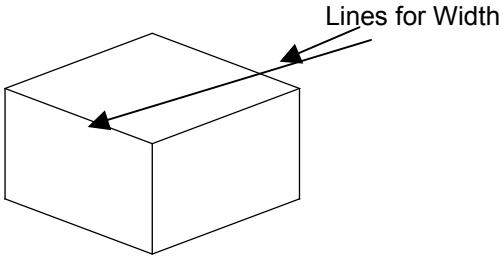
Add vertical lines from the corners so that your isometric axis now looks like this. Try to keep your lines parallel to the center line.



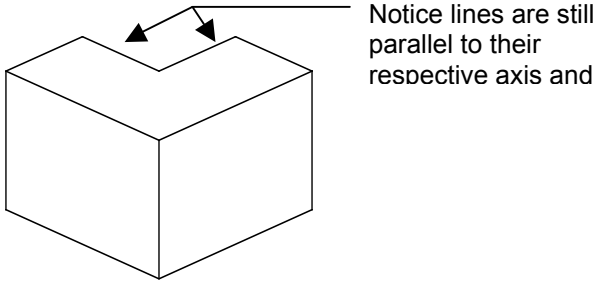
Add lines for width parallel to the width axis.



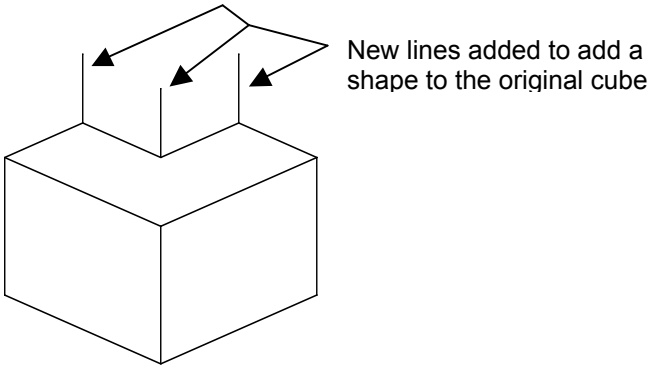
Finish the cube with lines for depth that are parallel to the lines for the depth axis.



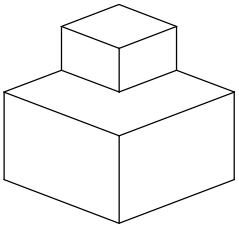
To add a shape using the Additive Method, cut away the back corner by using the lines that are parallel to the width and depth axis. Be sure to connect the lines and keep them parallel.



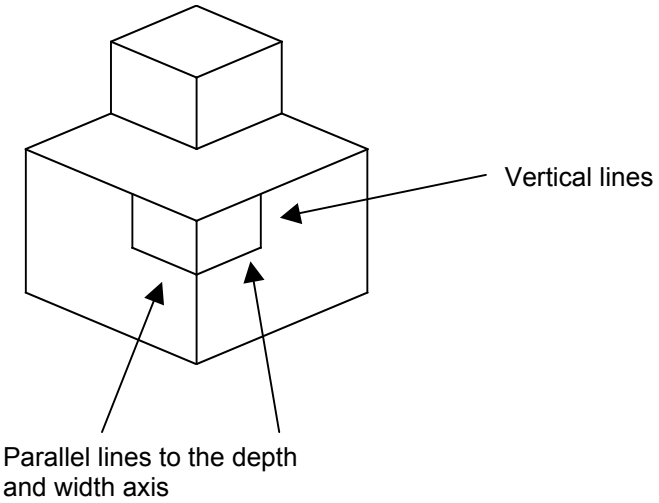
Add three lines to the cut away that are parallel to the height axis. The length should be not more than _ inch.



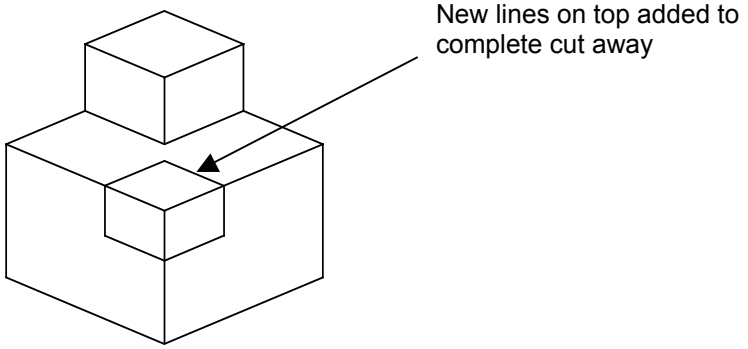
Finish off the addition of the new shape by completing the width and height of the top of the new shape. Remember to keep the lines parallel with the respective axis.



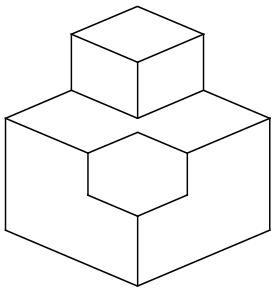
To remove a shape from an object using the Subtractive Method, draw two vertical lines and a line parallel to both the width and depth axis as shown on the drawing below.



Add lines on the top surface to complete the area that will be removed. Be careful to keep your lines parallel and the same length.



Erase the front corner lines, those that come together in a point in the section to be removed.



Add the isometric axis to the inside of the area cut away. Your final figure should look like the one below.