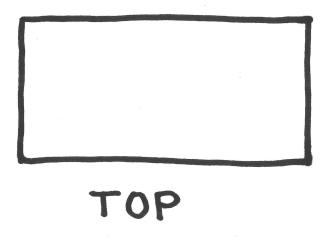


A MATH FOR KIDS PROJECT J. D. HAMKINS JDH.HAMKINS.ORG





A SINGLE UNIT BLOCK LOOKS

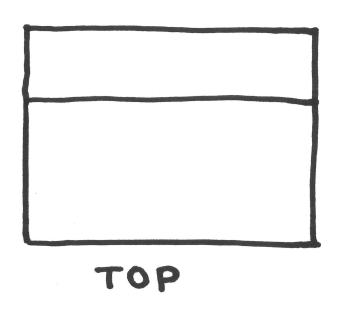
LIKE A RECTANGLE FROM THE FRONT,

TOP AND SIDE.





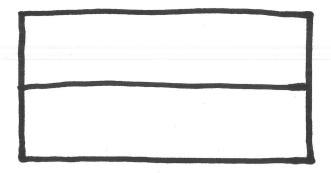
LET'S MAKE ARRANGEMENTS OF UNIT BLOCKS TO REALIZE VARIOUS PROJECTIVE VIEWS.



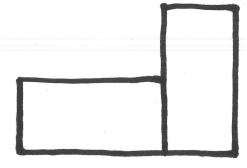
CAN YOU ARRANGE TWO UNIT

BLOCKS SO AS TO REALIZE

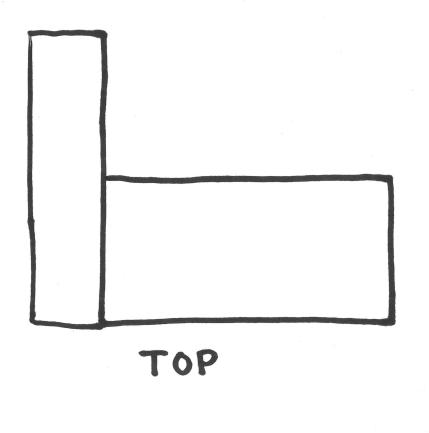
THESE PROJECTIONS?



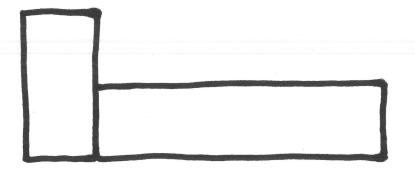
FRONT



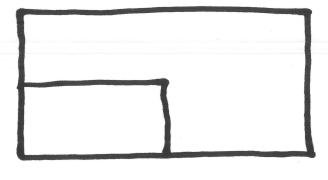
RIGHT



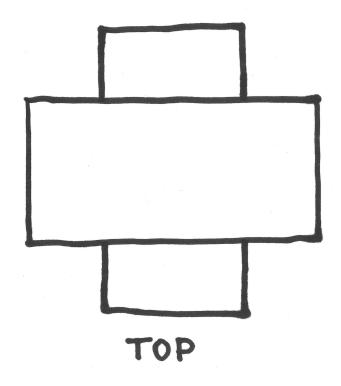
HERE IS ANOTHER PUZZLE,
WITH MORE TO COME ON THE
SUBSEQUENT PAGES.

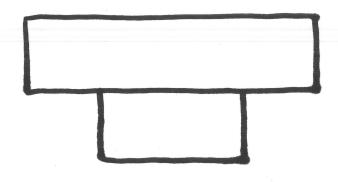


FRONT

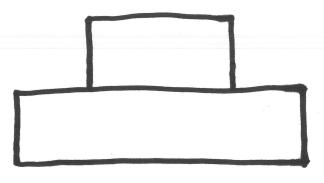


RIGHT

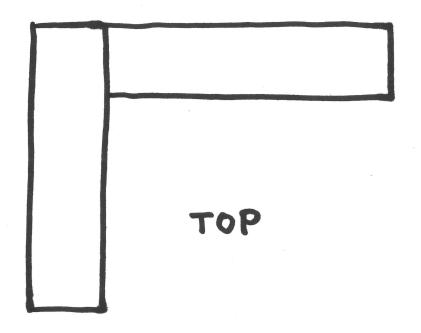


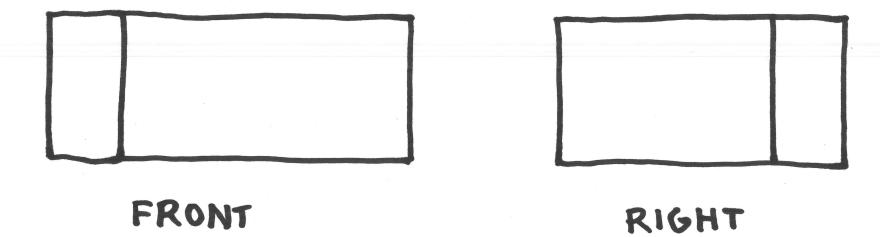


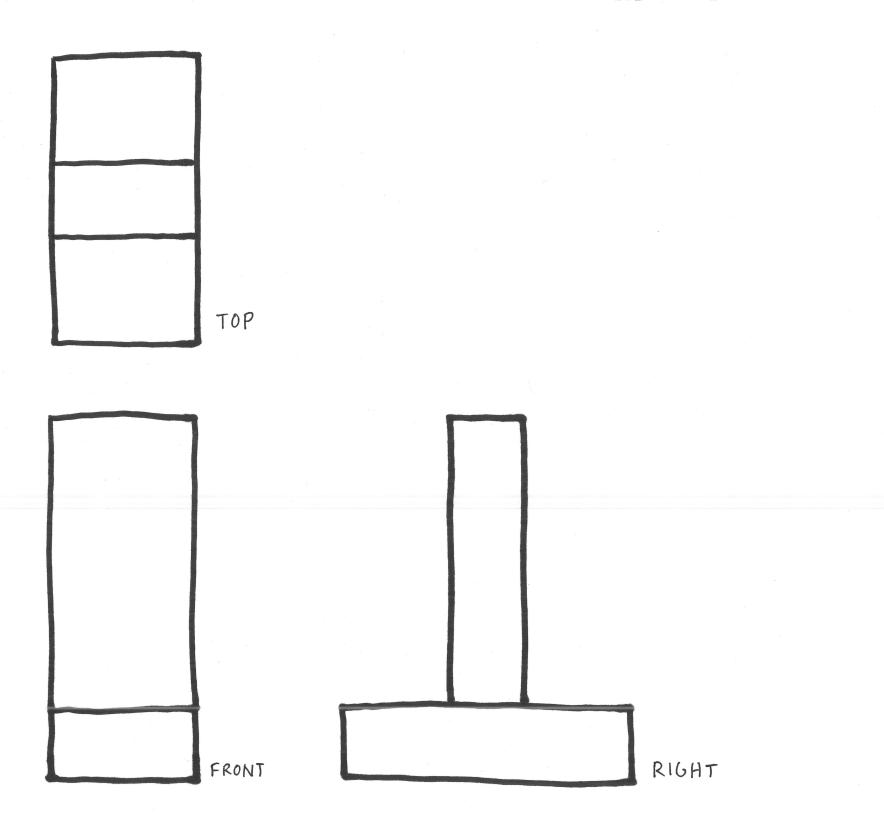


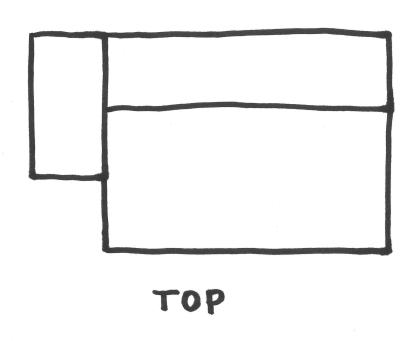


RIGHT

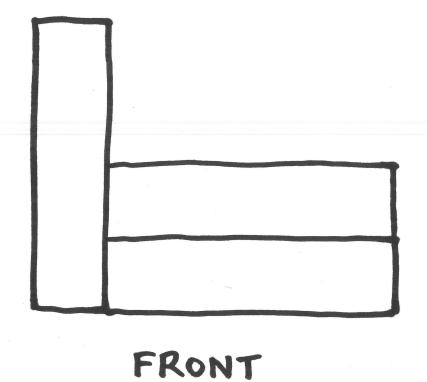


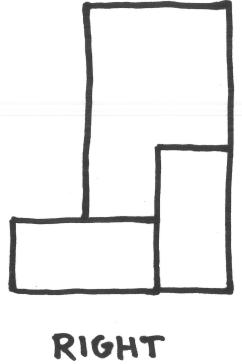


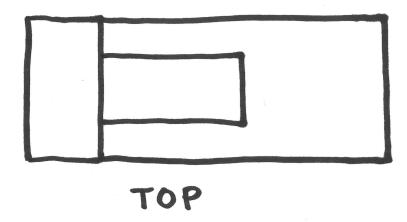


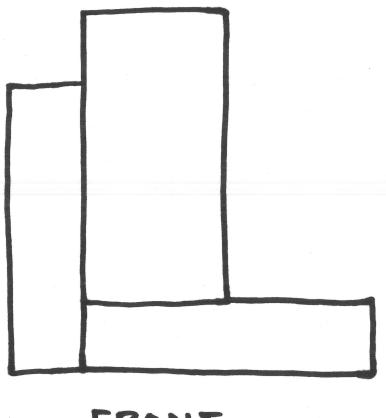


THIS PUZZLE USES THREE BLOCKS.

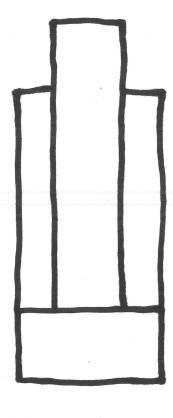




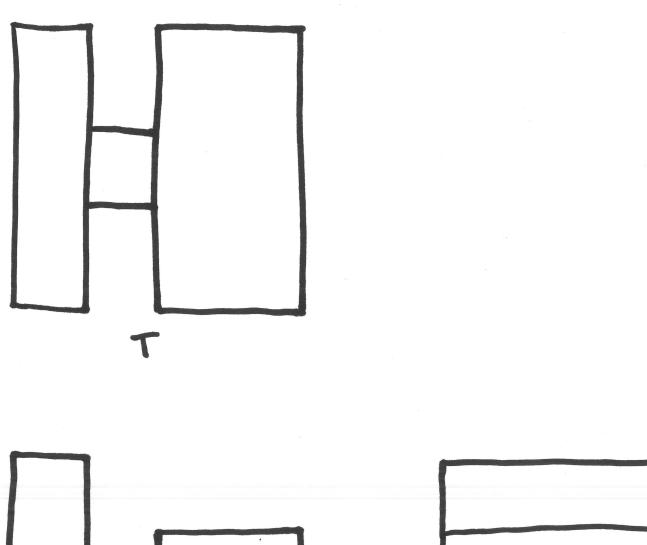


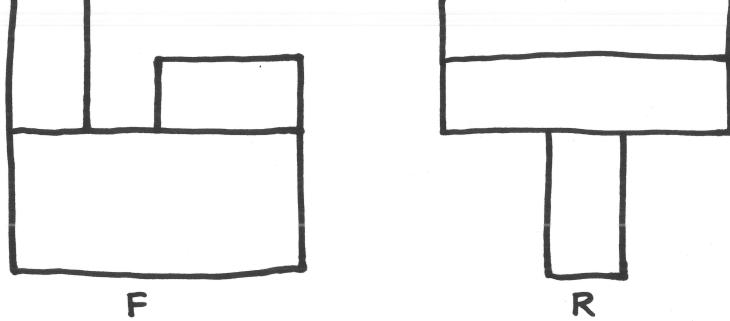


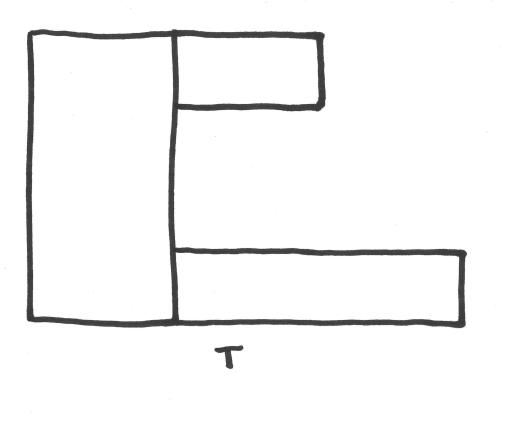
FRONT

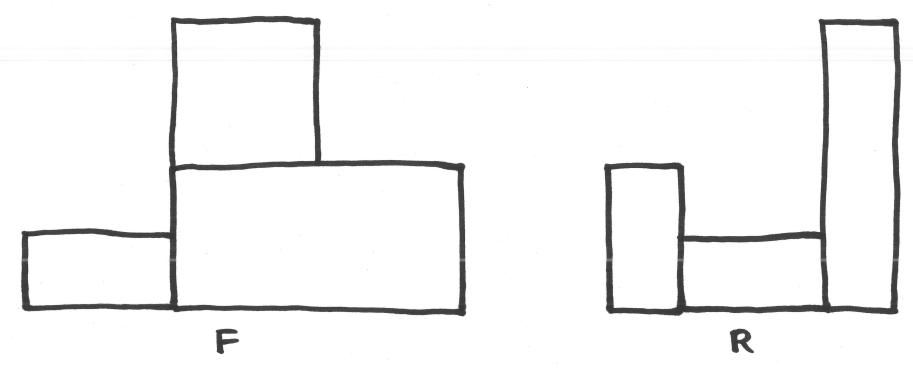


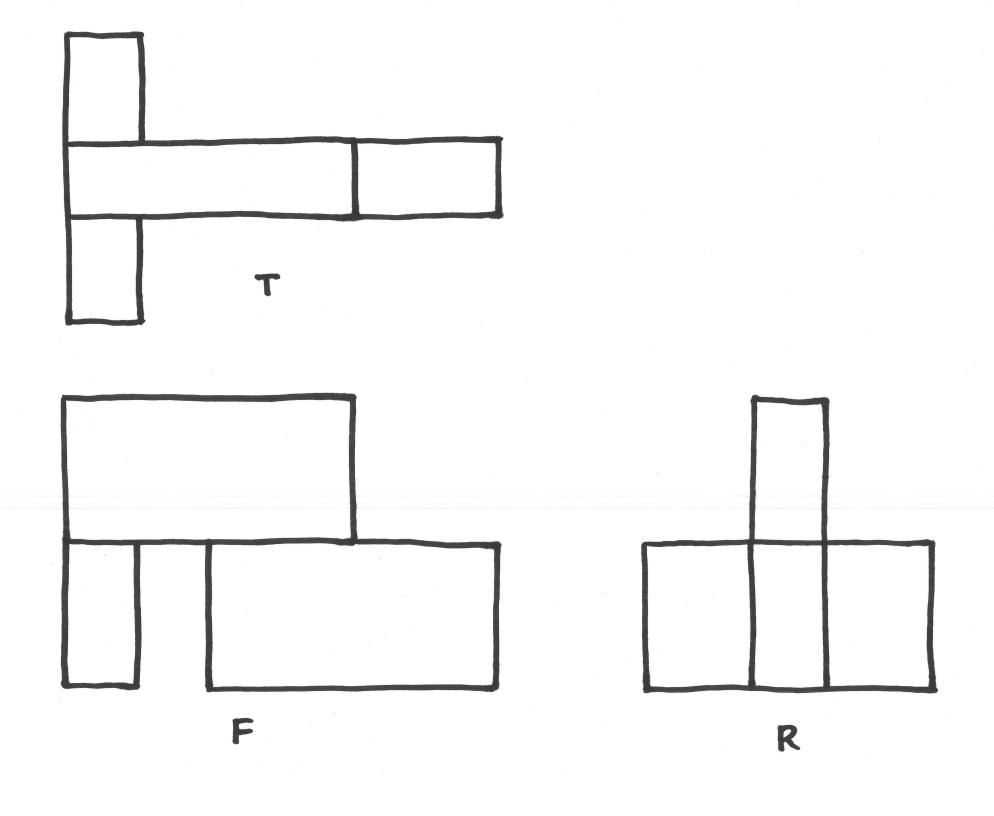
RIGHT

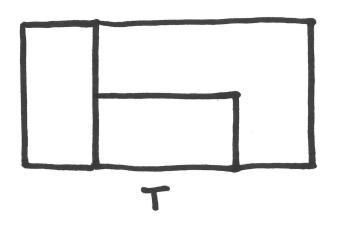


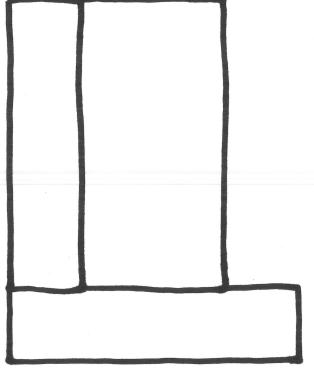




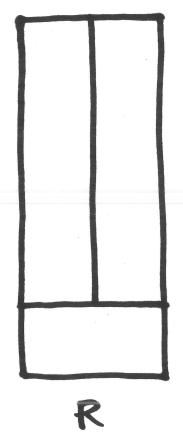


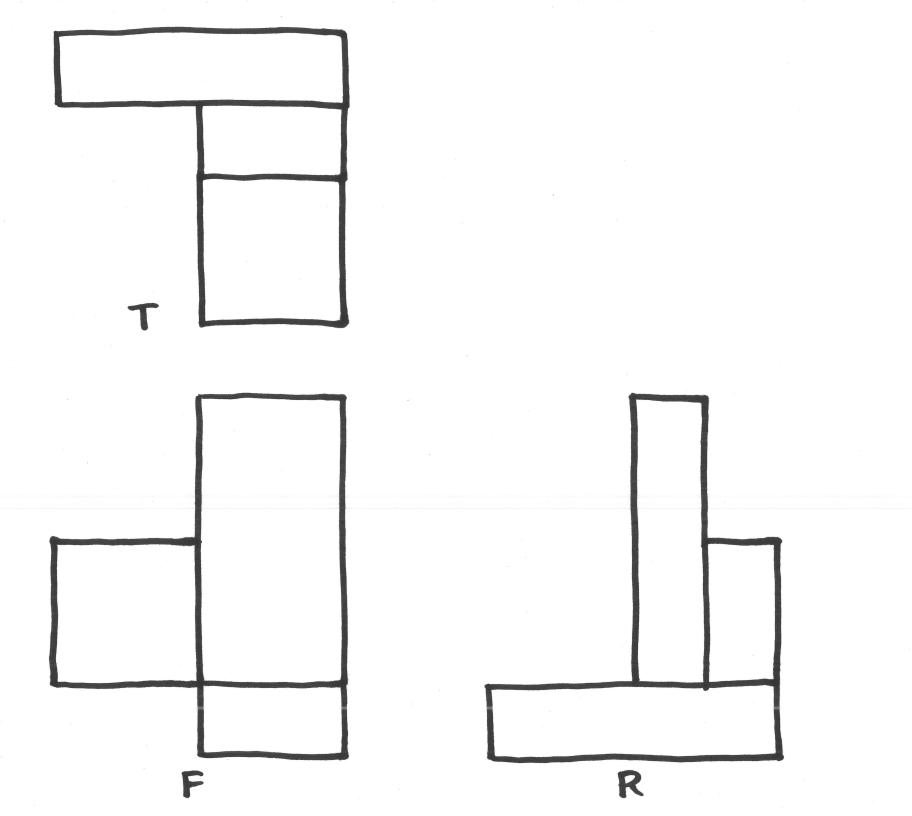


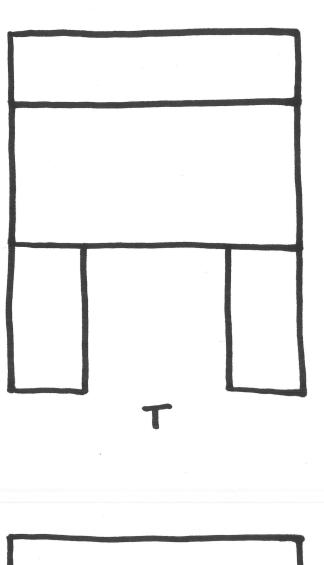


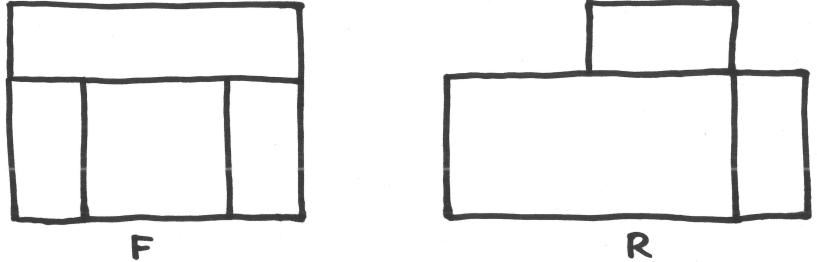


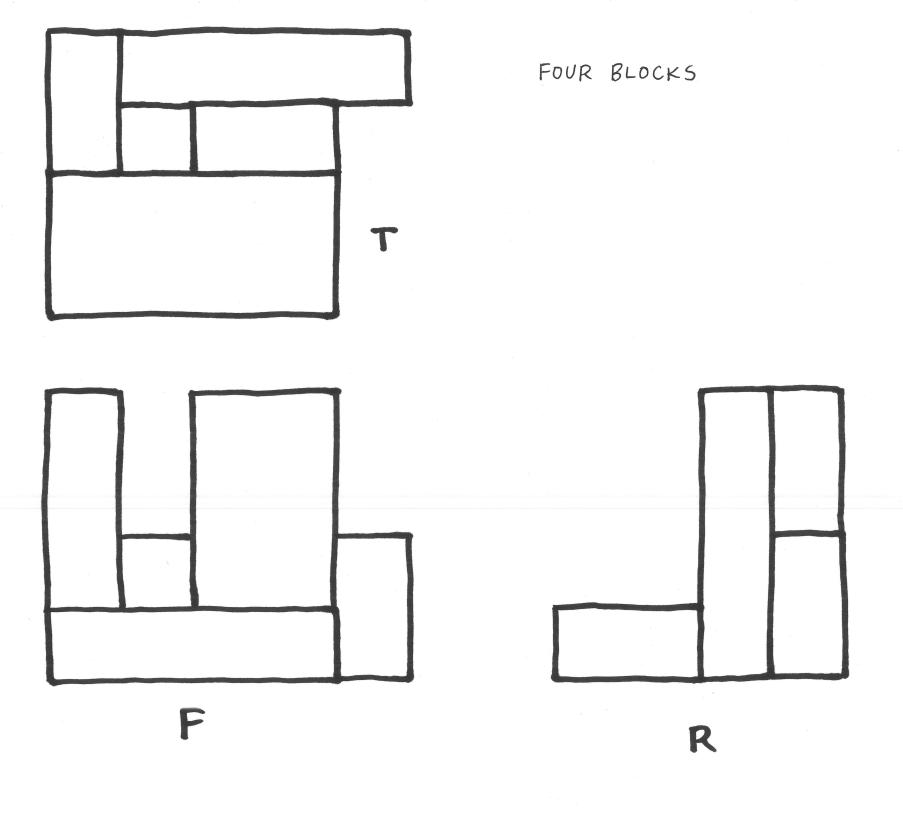


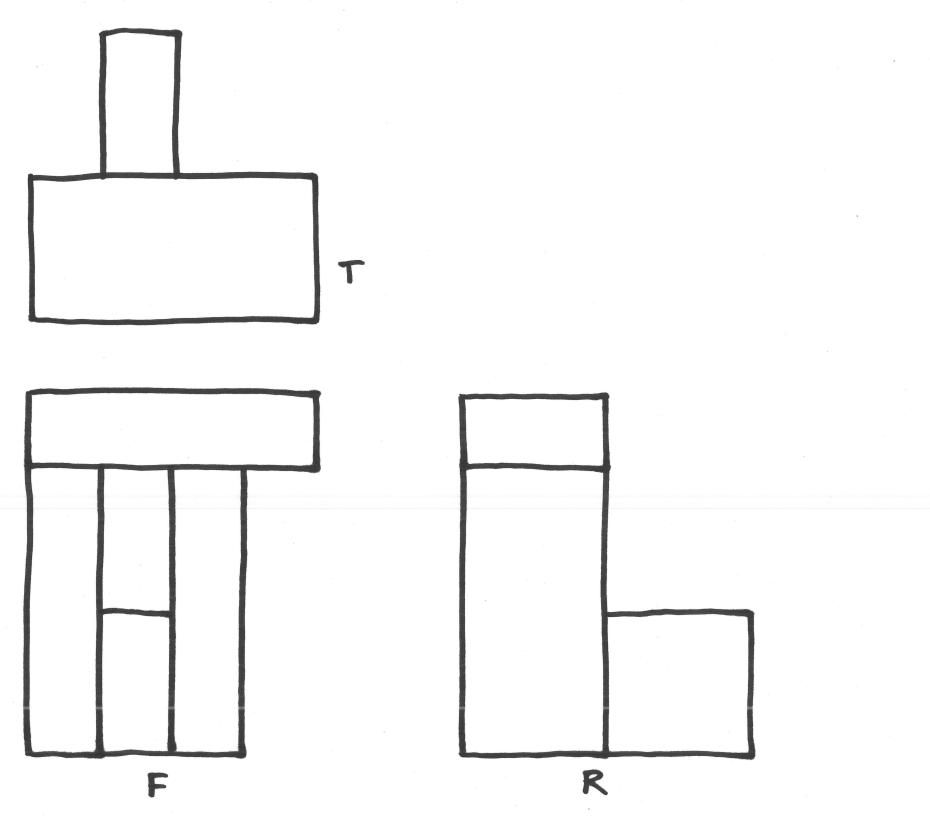


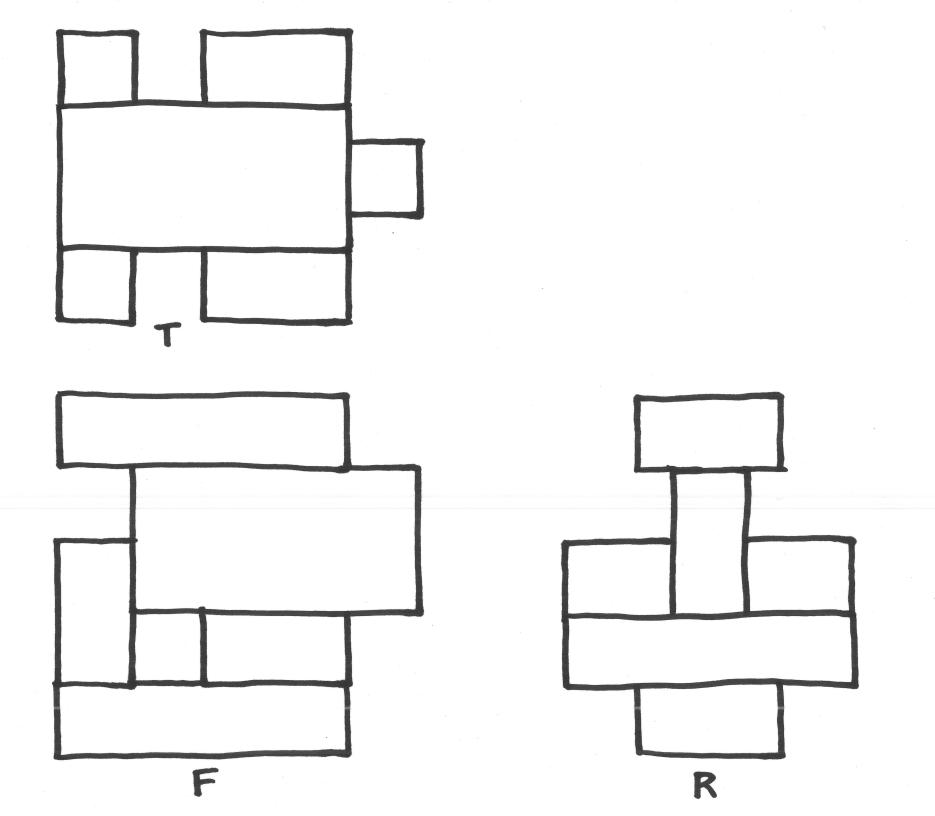


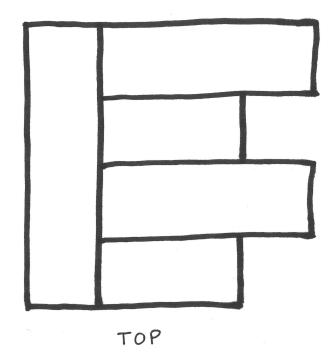


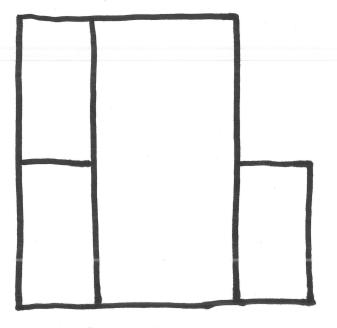




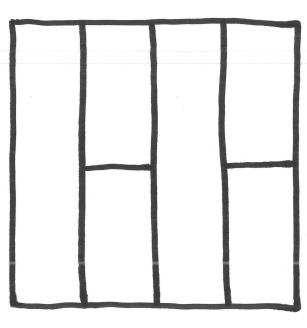




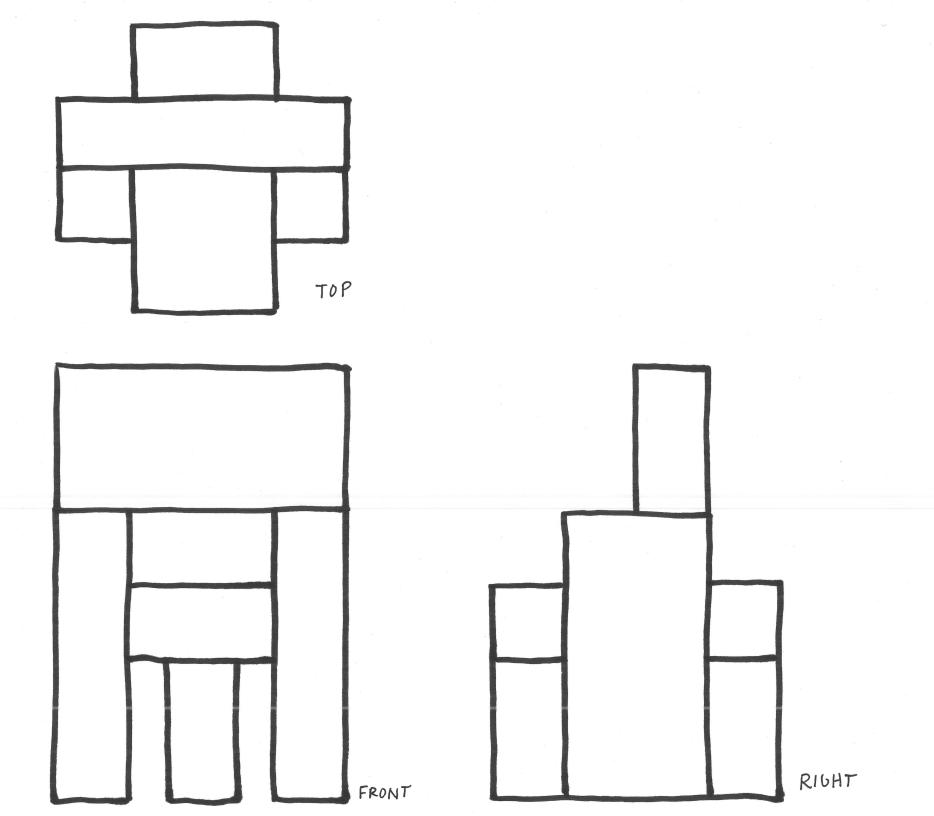




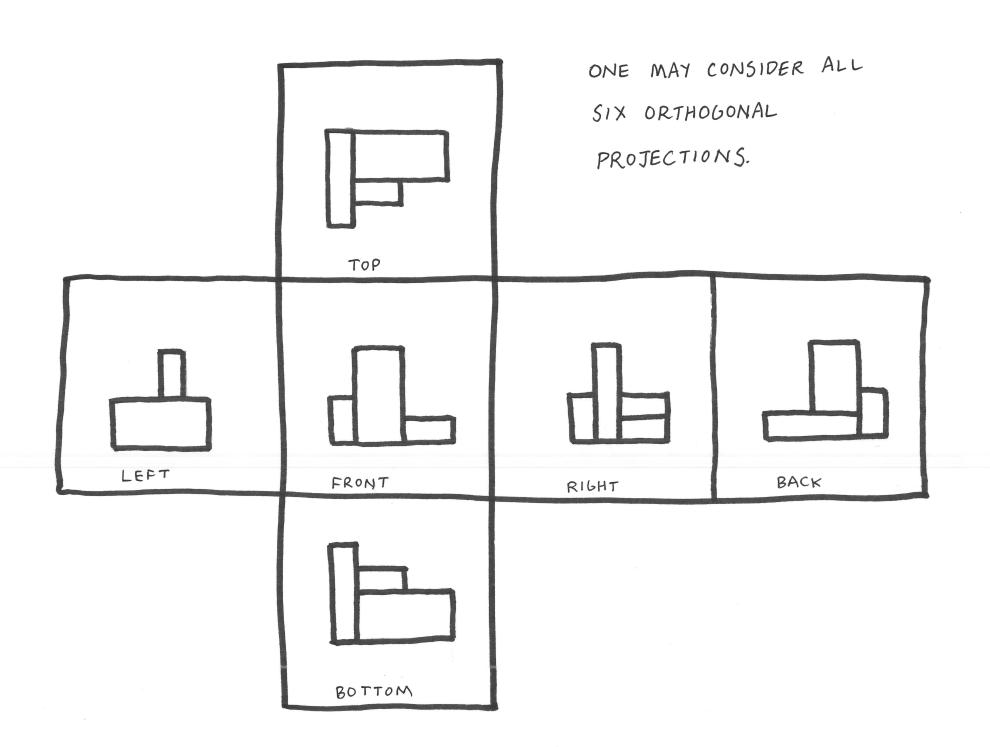




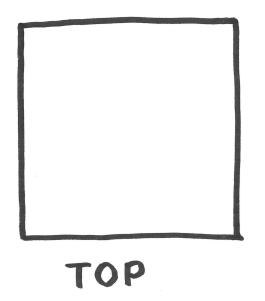
RIGHT

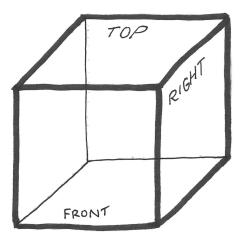


CREATE YOUR OWN DESIGN USING THE BLOCKS AND RECORD THE FRONT, TOP AND RIGHT-SIDE PROJECTIVE VIEWS HERE. TOP VIEW RIGHT-SIDE VIEW FRONT VIEW



	TOP	FEW BLOCKS A	NN DESIGN WITH A AND THEN RECORD OGONAL PROJECTIONS
LEFT	FRONT	RIGHT	BACK
	BOTTOM	FOR EACH VIEW, USE THE ORIENTATION  THAT WOVLD RESULT FROM FOLDING  THIS NET OF SQUARES INTO A CUBE.	





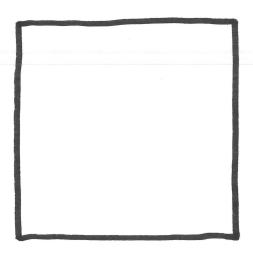
A CUBE LOOKS

LIKE A SQUARE IN

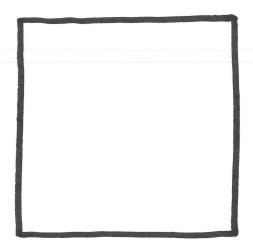
EACH OF THE THREE

PRINCIPAL ORTHOGONAL

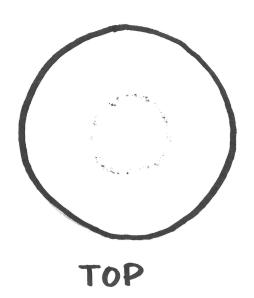
PROJECTIONS.



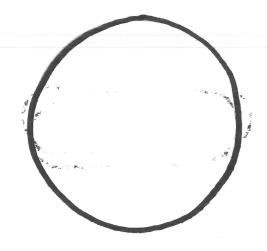




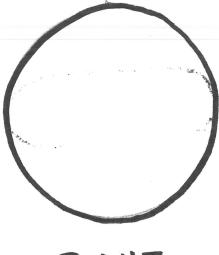
RIGHT



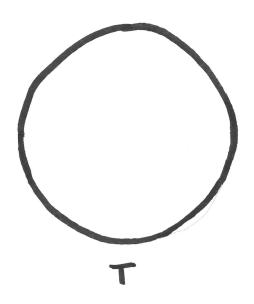
WHAT SHAPE LOOKS LIKE A CIRCLE FROM THE FRONT TOP AND SIDE?



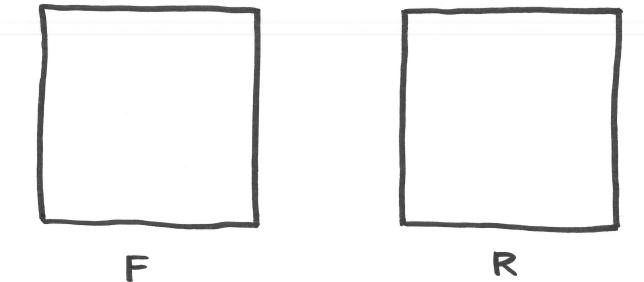
FRONT

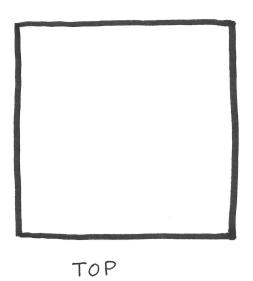


RIGHT

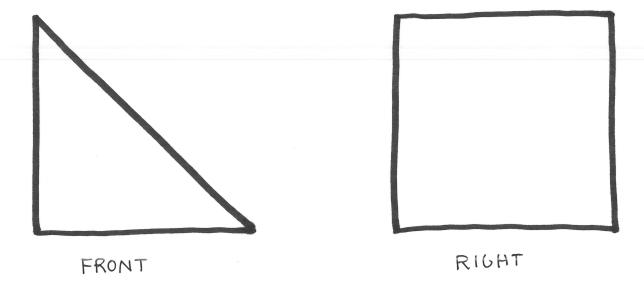


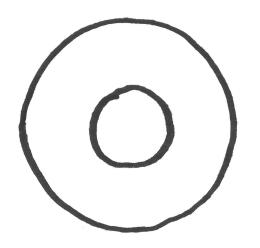
WHAT SHAPE LOOKS LIKE A SQUARE FROM
THE FRONT AND SIDE, AND A CIRCLE FROM
THE TOP? DRAW IT IN PERSPECTIVE HERE.



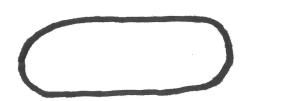


WHAT SHAPE HAS THESE ORTHOGONAL PROJECTIONS? DRAW YOUR ANSWER.

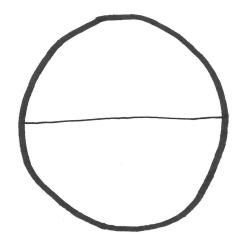




WHICH FAMILIAR SHAPE
HAS THESE PROJECTIONS?







CHALLENGE PROBLEM: CAN YOU IMAGINE A SHAPE WHOSE ORTHOGONAL PROJECTIONS ARE A CIRCLE, SQUARE AND TRIANGLE? THERE IS ONE...

