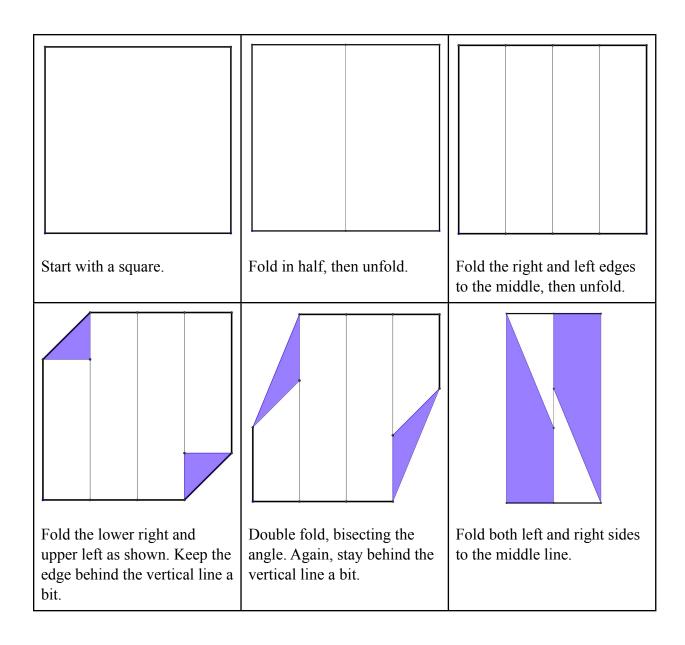
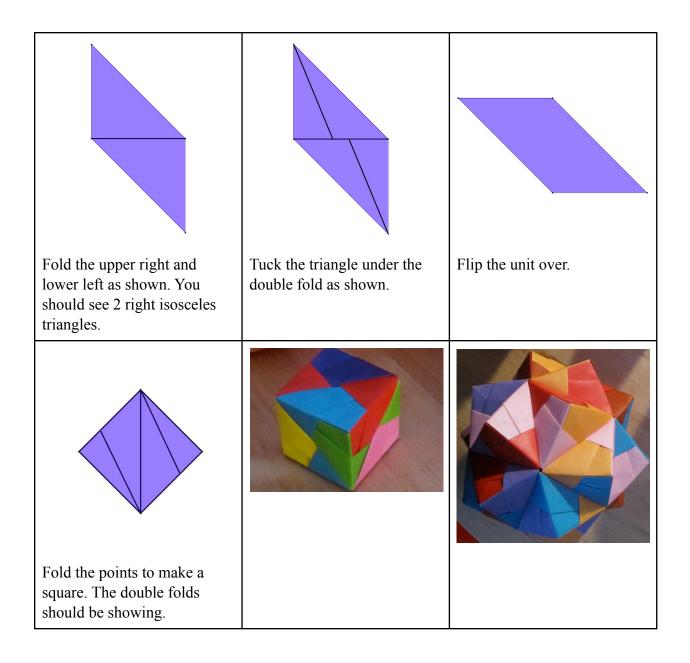
Making Meaningful Mathematics using origami

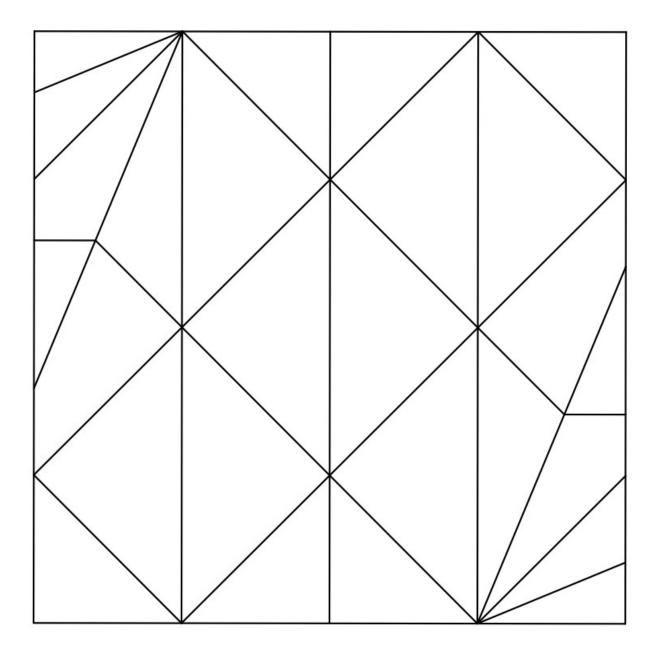


NCTM-Philadelphia April, 2012 j_georgeson@earthlink.net





These are the fold lines made by folding the cube unit. The center square is the same as the face of the cube. What is the area of that square? Assume the length of the original paper is a variable.



length of original square	resulting length of cube	resulting area of one face of cube	resulting volume of cube
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
x			

length of original square	number of beans required to fill	
1		
2		
3		
4		
5		
6		
7		
8		