NAMES _		
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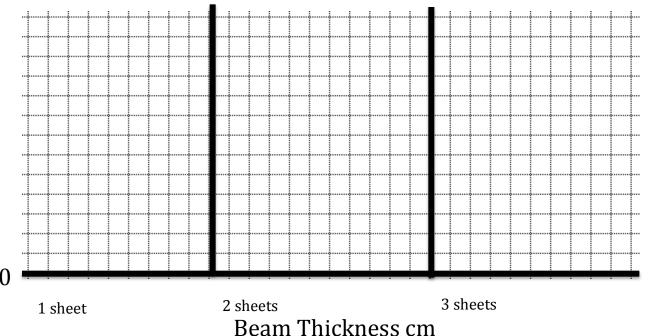
## Arch Beam Experiment

DATE \_\_\_\_\_

Today you will build an arch and load 1 gram cubes onto it until it collapses. You will record the span, the height of the arch, and how much weight it held. You will add thickness to the arch by adding layers. You will work in pairs. Graph the results

	Span		height of	
	Distance	Weight Held in	arch above	Thickness of
	cm	grams	desk cm	arch cm
1				
2				
	AVG >			
1				
2				
	AVG >			
1				
2				
	AVG >			

## Strength vs Thickness of a Simple Arch



WEIGHT HELD grams