

Name(s)	Project Number
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Project Title	
Trusty Trusses	
Abstract	
Objectives/Goals	7.41.4
The purpose of this project was to find out how strong a truss can be made. W	/ith trusses made stronger,
interior supports.	used on the shape of the
Methods/Materials	
In this experiment, balsa wood was used to form trusses made with different p supports. The ratio was found of the load supported to the weight of the truss	The load used was water
so it was easy to measure in grams how much it was.	The load used was water
Results	
Triangles were found to have the best ratio. As more sides were added to the smaller and smaller	polygon, the ratio became
Conclusions/Discussion	
From this experiment, it can be concluded that triangles are stronger and sturd	ier than other polygons.
Using triangles in structural designs will make a strong, efficient structure.	
Summary Statement	
This project was done to find out what type of polygon would be strongest as	interior support in a truss.
Help Received	
Mother helped gather materials and took pictures; Dad helped put together tea	st stand;