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C	M	Aeasure the length and height of Inclined Plane (	(3rd station):
		Length: (cm)	
		Height: (cm)	
	1.	. What is the mechanical advantage based on these	measurements?
	2.	. What was the required force to raise the object?	
		Without the inclined plane: (Output force	)(g)
		With the inclined plane: (Input force)	(g)
	3		
	5.	. What is the mechanical advantage based on these	measurements?
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D	M	. What is the mechanical advantage based on these <b>Aleasure the length and height of Inclined Plane I</b>	• measurements?
D	M	. What is the mechanical advantage based on these <b>Jeasure the length and height of Inclined Plane I</b> Length:(cm)	• measurements?
D	M	. What is the mechanical advantage based on these <b>Ieasure the length and height of Inclined Plane I</b> Length:(cm) Height:(cm)	<ul> <li>measurements?</li> <li>(4th station):</li> </ul>
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## Results

1. Did you obtain different mechanical advantages for the different methods of measuring? If so, was the difference large?

2. Which inclined plane had the greatest mechanical advantage?

## Conclusions

1. Does calculating mechanical advantage just with the dimensions of the inclined plane really work? That is, does the calculation describe what really happens? Write a short paragraph explaining your answer.

2. If you are the engineer designing a ramp for a construction site to move a wheelbarrow a height of 100 feet, which inclined plane would you use? Why?

3. What are some possible sources of error in this experiment?