

This evaluation instrument was developed for Exploring Physics, an extra curricular program for 5-7 grade students, with a focus on female students. It is part of an NSF funded program entitled *Promoting Young Women in the Physical Sciences.*

M. Chandrasekhar, R. Litherland, L. Barrow, R. Lapan, K. Phillips (1998)

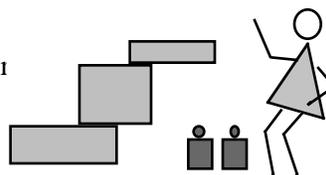
Exploring Physics

Confidence Pre and Post-Evaluation

First and Last Names _____

For each of the following problems, indicate your confidence in being able to correctly solve it by circling a number on the scale from 1-9, with 9 being very confident. REMEMBER, you do not have to solve these problems; just rate your confidence in being able to solve them.

1. You are given blocks and weights and asked to build a tower like the one in the picture. Do you think you could put the weights in the right place to make the tower balance?



Weights

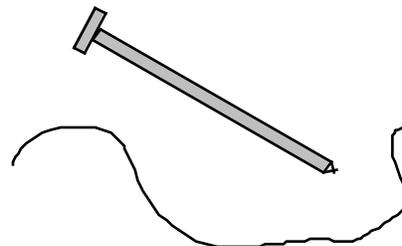
1	2	3	4	5	6	7	8	9
No way!	Maybe I could do it.			I'm pretty sure			Yes! I'm sure	
I couldn't do it.					I could do it.		I could do it.	

2. Three bulbs of the same kind are connected in a circuit. Two are dim and one is bright. Do you think that you could correctly build this circuit?



1	2	3	4	5	6	7	8	9
No way!	Maybe I could do it.			I'm pretty sure			Yes! I'm sure	
I couldn't do it.					I could do it.		I could do it.	

3. Do you think that you could make a nail into a magnet?

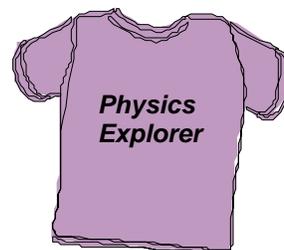


1	2	3	4	5	6	7	8	9
No way!	Maybe I could do it.			I'm pretty sure			Yes! I'm sure	
I couldn't do it.					I could do it.		I could do it.	

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4. You are at the mall and see your friend. A yellow light is shining on your friend's shirt so that it looks red. Do you think that you could figure out the actual color of the shirt?



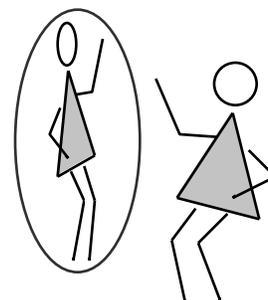
1	2	3	4	5	6	7	8	9
No way!		Maybe I could do it.			I'm pretty sure			Yes! I'm sure
I couldn't do it.					I could do it.			I could do it.

5. Your flashlight suddenly goes dead. You don't know if it is the battery, bulb, switch, or the connections. Do you think that you can figure out what is probably wrong with your flashlight?



1	2	3	4	5	6	7	8	9
No way!		Maybe I could do it.			I'm pretty sure			Yes! I'm sure
I couldn't do it.					I could do it.			I could do it.

6. You stand in front of the mirror at the mall that makes you look very tall and thin. Do you think that you could describe to your friend how the mirror makes you look like this?



1	2	3	4	5	6	7	8	9
No way!		Maybe I could do it.			I'm pretty sure			Yes! I'm sure
I couldn't do it.					I could do it.			I could do it.