## **SKETCH:**

Discuss possible designs to protect the egg. Decide on a design that all of you think will work the best. Now sketch the design that you decide on in the space provided below:

## SAFETY DEVICE CONSTRUCTION Materials Price List

<u>Item</u>	Unit <u>Price (\$)</u>	<b>Quantity</b>	Cost
Cardboard square	3		
Pipe cleaner	3		
Small rubber band	1		
Large rubber bands	2		
Cotton ball	2		
Soda Straw	1		
Craft stick	3		
Masking tape (4 inches)	2		
Scotch tape (4 inches)	2		
Soda bottle	4		
Super glue (2 drops)	1		
Plastic peanut	1		
Cup	3		
Bubble wrap	3		
Binder clips	2		
Staples (2 staples)	1		

Total Cost:

## **Safety Device Data Table**

Design #	Incline #	Cost (\$)	Mass (kg)	Weight (N)	Time (s)	Angle of Ramp	Speed (m/s)	Success (yes/no)	Cost/ Performance Ratio
1	1								
	2								
	3								
	4								
	5								
	6								
2	1								
	2								
	3								
	4								
	5								
	6								