Country	Team	2013 india
ID Code: 1)	2)	International Junior Science Olympiad, Pune, India
Experiment	tal Tasks A + B + C	Time : 3 hrs Marks : 40
Task	This task is divided into three parts.	Total marks: 14
A1: To determine the centre of gravity of a triangular plate, A.		

- **A2:** To record the time period of oscillation for different suspension points for the plate.
- A3: To analyze the above data and results.

A.Q1 Determination of CG:

Mark "X" on **Sheet 1** at the appropriate position to denote the CG (large sized sheet).

A.Q2 Table A.1: Oscillation measurements:

	h (m)	h ² (m ²)	Time taken for 50 oscillations (s)				T = T1/50 (s)	T^2 (s ²)	hT ² (ms ²)
			1 st (t1)	2 nd (t2)	3 rd (t3)	Mean (T1) (t1+t2+t3)/3			
H1									
H2									
H3									
H4									

[4.0 marks]

[1.0 mark]



A.Q4 Table A.2: Calculations from Grid 1

[3.0 marks]

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ID Code: 1)	2)		10 th
3)			International Junior Science Olympiad, Pune, India
Experimental 7	asks 🔺 +	B + C	Time : 3 hrs Marks : 40

Quantity	Numerical value	Unit
Slope of the graph (s)		
y-intercept of the graph (c)		
Acceleration due to gravity (g)		
Radius of gyration (<i>K</i>)		

A.Q5 (a) Table A.3:

[3.0 marks]

Holes	h (m)	h' (m)
H1		
H4		

(b) Sheet 1: Mark the positions of points of oscillation J1 and J4 on Sheet 1. Label them as J1 and J4 clearly.

A.Q6 Table A.4: Lengths of equivalent simple pendulums

[1.0 mark]

Holes	h (m)	L (m)
H1		
H4		