

## List of Winners of the 2021 Hang Lung Mathematics Awards

Award	Topic	Team Member(s)	Teacher	School Name
Gold	On Non-Torsion Solutions of Homogeneous Linear Systems over Rings	Tsz Hin Chan	Mr. Ho Fung Lee	Pui Ching Middle School
Silver	The Johnson-Leader-Russell Question on Square Posets	On Ki Luo	Mr. Ho Fung Lee	Pui Ching Middle School
Bronze	Solvability of the General Pell's Equation, Quadratic Residuosity, and Real Quadratic Fields of Class Number Two	Wai Lok Lai	Mr. Pak Leong Cheung	St. Paul's Co-educational College
<b>Honorable Mentions</b> (listed by school name in alphabetical order)				
	Topic	Team Member(s)	Teacher	School Name
	An Investigation on the Rings of Integer-Valued Polynomials on Gaussian Integers and Integer-Valued Continuous Functions	Myron Lam	Mr. Long Tin Chan	Diocesan Boys' School
	On the Basel Problem: Generalizations to Other Power Series	Tsz Fung Chui	Mr. Long Tin Chan	Diocesan Boys' School
	On the Variations of the Brachistochrone Curve	Nick Hang Cheng, Hei Chai Shum, Chun Shing Tong	Mr. Long Tin Chan	Diocesan Boys' School
	On the Generalization of the Triangle Peg Problem to Higher Dimensions	Chun Hei Mok, Chi Kong Wei, Wang Kin To	Mr. Ka On Cho	S.K.H. Tsang Shiu Tim Secondary School
	Investigation on the Buffon-Laplace Needle Problem	Hui Yat Cheung, Pak Kiu Fong, Shing Him Lee, Justin Ka Chai Leung, Siu Lam Ting	Mr. Wai Man Chu	Wah Yan College, Kowloon