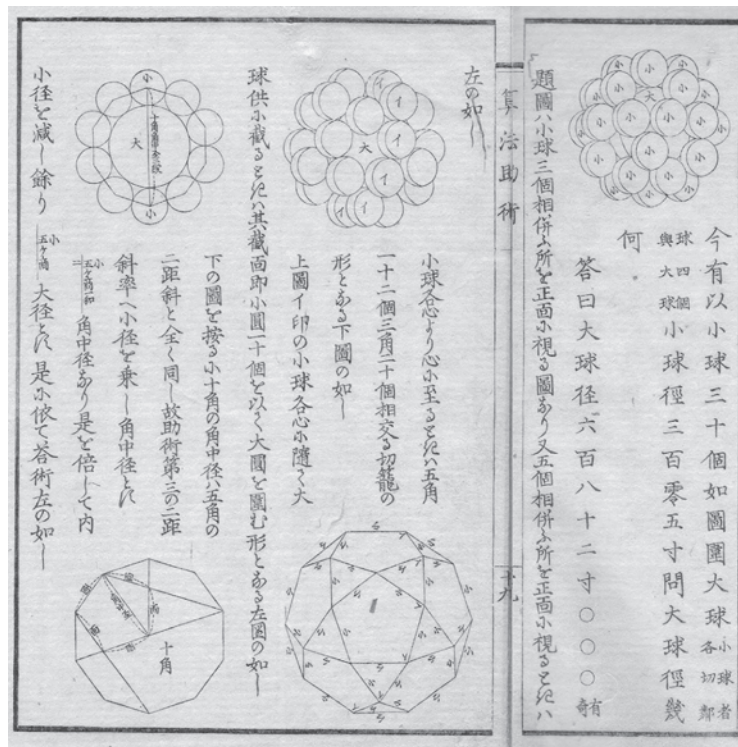




The Mathematical Gazette



Variations on a *sangaku* problem
involving kissing spheres

Volume 99
Number 546
November 2015



THE MATHEMATICAL ASSOCIATION

£33.00

THE MATHEMATICAL ASSOCIATION

AN ASSOCIATION OF TEACHERS AND STUDENTS
OF ELEMENTARY MATHEMATICS

*'I hold every man a debtor to his profession, from the which as
men of course do seek to receive countenance and profit, so ought
they of duty to endeavour themselves by way of amends to be a
help and an ornament thereunto.'* BACON

THE COUNCIL

PRESIDENT

Dr Peter Neumann

IMMEDIATE PAST PRESIDENT		Mrs Lynne McClure	
PRESIDENT DESIGNATE		Dr Jennie Golding	
CHAIR OF COUNCIL		Mr Peter Ransom	
SECRETARY		Dr Chris Pritchard	
TREASURER		Mr Bill Richardson	
REPRESENTATIVES OF COMMITTEES	BRANCHES	Mr David Pountney	(Chair)
	CONFERENCES	Vacant	
	PROFESSIONAL DEVELOPMENT	Mrs Julia Brown	(Chair)
	PUBLICITY & MEDIA	Vacant	
	PUBLICATIONS	Mr Barry Lewis	(Chair)
	MEMBERSHIP	Miss Cherri Moseley	(Chair)
	TEACHING COMMITTEE	Mrs Rachael Horsman	(Chair)
EDITOR IN CHIEF	Dr Paul Harris		
MEMBERS WITHOUT OFFICE	Miss Joyce Brown	Mrs Gosia Marschall	
	Mr David Miles	Mr Tom Roper	
	Vacancy		
SENIOR ADMINISTRATOR	Ms Marcia Murray		

EDITORIAL COMMITTEE OF THE MATHEMATICAL GAZETTE

<i>Editor</i>	Dr Gerry Leversha
<i>Production Editor</i>	Mr Bill Richardson
<i>Reviews Editor</i>	Mr Owen Toller
<i>Problems Editors</i>	Mr Nick Lord, Dr Stan Dolan
<i>Assistant Editors</i>	Mr Tom Roper, Mr Colin Davis, Mr Michael Fox, Dr Andrew Jobbings, Professor Adam McBride