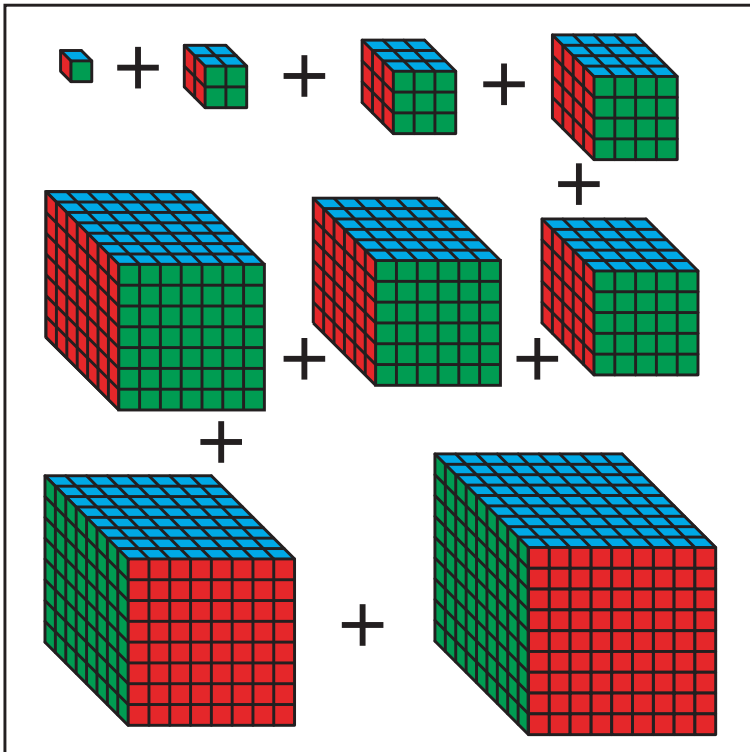




The Mathematical Gazette



**Welcome to the year which is the
sum of these nine cubes**

Volume 109
Number 574
March 45 × 45

MATHEMATICAL ASSOCIATION



Supporting mathematics in education

THE MATHEMATICAL ASSOCIATION

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	CHAIR OF COUNCIL (ACTING)
Mr Charlie Stripp MBE	Dr Andy Kemp
IMMEDIATE PAST PRESIDENT	SECRETARY
Dr Nira Chamberlain OBE	Dr Paul Harris
PRESIDENT DESIGNATE	TREASURER
Professor Paul Glaister CBE	Mr Sudeep Gokarakonda

REPRESENTATIVES OF COMMITTEES

BRANCHES	Mrs Cindy Hamill	(Chair)
CHALLENGES	Dr Amanda Moon	(Chair)
CONFERENCES	Dr Andy Kemp	(Chair)
MEMBERSHIP	Mrs Jemma Sherwood	(Chair)
PROFESSIONAL DEVELOPMENT	Mrs Louise Pennington	(Chair)
PUBLICATIONS	Mrs Jill Trinder	(Chair)
TEACHING COMMITTEE	Mrs Manina Tyler-Mort	(Chair)

EDITOR IN CHIEF Vacant

MEMBERS	Miss Stella Dudzic	Miss Cherri Moseley
WITHOUT	Mrs Charlotte Hawthorne	Dr Chris Pritchard
OFFICE	Mr David Miles	Mr Bill Richardson MBE
	Mrs Jo Morgan	

CHIEF EXECUTIVE OFFICER Ms Sandi Atkinson

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 Chris Starr, Dr Agnes Bokanyi-Toth
<i>Assistant Editors</i>	Mr Tom Roper, Mr Colin Davis, Mr Michael Fox, Mr Graham Howlett, Professor Adam McBride