HARMONY SOUTH AFRICAN MATHEMATICS OLYMPIAD

The premier national mathematics competition

Organised by the South African Mathematics Foundation

ENTRY FORM 2013

THE THREE ROUNDS

This Olympiad is organised by the South African Mathematics Foundation, in conjunction with the South African Mathematical Society, Association for Mathematics Education of South Africa and the Suid-Afrikaanse Akademie vir Wetenskap en Kuns and is sponsored by Harmony Gold Mining Co. Ltd and the South African Institute of Chartered Accountants.

First round, 14 March, 1 hour paper

The junior division consists of separate papers for grades 8 and 9 and the senior division of one paper for grades 10 to 12. Each paper consists of 20 questions with multiple-choice answers and learners have one hour to complete the paper. Learners who enter the competition receive a first round certificate.

Marking:

The teachers themselves mark the answers. Each school is provided with the solutions. This ensures immediate feedback.

Second round, 14 May, 14:00 to 16:00

Learners who attain 50% and higher in the first round qualify for the second round. If nobody in a school obtained 50%, the best learner of a school will advance to the second round, providing that the learner(s) scored **at least 40%** in the first round. There are separate papers for the juniors and seniors. The grade 8 and 9 learners write the same paper. The learners have two hours to complete 20 questions. Learners who participate in the second round receive a certificate.

Marking:

The answers are marked by computer, in the SAMO office.

Third round, 9 September, 9:00 to 13:00

The 100 best senior and 100 best junior learners from the previous round qualify for the third round. There are separate papers for the juniors and seniors. Learners who participate in the third round receive a bronze medal and certificate. The best 10 learners per division receive their prizes at the annual award function.

Certificate to schools entering for the first time

Why should we enter?

- Mathematics competitions generate a lot of enthusiasm and curiosity for the subject.
- Learners will be exposed to problems that will test and improve their thinking, discovering, and validating of problem solving methods. In short, they will become better mathematicians.
- The Maths Olympiad is recognised as one of the best vehicles to identify the most talented learners in the country.
- Participation will result in a better quality of product from the schools and will put their learners in a position to reap higher achievement levels at university.
- The type of problems is similar to those used by universities as part of their entry level testing and therefore especially the grade 12 learners will gain valuable experience.

BURSARIES:

- Promising grade 12 learners from historically disadvantaged communities, who comply with at least the minimum requirements can apply for a bursary.

REGISTRATION DETAILS

DATE AND TIME OF FIRST ROUND

The first round takes place on 14 March at your school. The duration is one hour and a school can schedule its own time. First round parcels (consisting of the final instructions regarding round one, the question papers, answer sheets, solutions and certificates) will be mailed as soon as we have received your entry form.

CLOSING DATE, 1 FEBRUARY 2013

The last date to post your entries is on the 1st February 2013. Entries must be submitted with payment/proof of payment. ABSOLUTELY NO LATE ENTRIES WILL BE ACCEPTED

ENTRY FEE

The entry fee is R20 per learner for schools in South Africa and R30 per learner for schools in other countries. Schools with more than 500 learners can enter at a reduced rate of R15 per learner. Dinaledi schools can enter a 100 learners free of charge. Should a Dinaledi school enters more than 100 learners the normal rate of R20 per learner for additional entries will apply.

PAYMENTS

Cheques must be made payable to the SAMF.

Direct payments or electronic transfers can be made to the **SAMF, ABSA Bank, Hatfield, Account No 4061037913, Branch code 632005.** If you choose this payment option, it is important that you submit your school's name as reference. No postal orders will be accepted. *Entries without the correct entry fee or without proof of payment will be rejected. No refunds will be given for rejected or late entries. It is each teacher's responsibility to ensure that entry forms AND payments are submitted on time.*

SPONSORSHIP OF ENTRIES

If a learner or school cannot afford the entry fee, a written request for sponsorship must be sent with the entry form.

POSTING OF ENTRY FORMS

Send your completed entry form AND payment/proof of payment to:
The South African Mathematics Foundation
Private Bag X173
Pretoria
0001
NO FAXED ENTRIES WILL BE ACCEPTED

CONTACT INFORMATION

South African Mathematics Foundation
Tel + 27 (0)12 392 9362/24/42/72
E-mail: info@samf.ac.za
Website: www.samf.ac.za

PAST QUESTION PAPERS

Working through old question papers is one of the best ways to prepare your learners for the first round. Past question papers and solutions are published on our website - www.samf.ac.za

OTHER MATHEMATICAL PUBLICATIONS

Prof. Michael de Villiers has published a book "Some Adventures in Euclidean Geometry" on Lulu (and also available as PDF download) at http://www.lulu.com/content/7622884
The book deals with many interesting and beautiful geometric results and are useful preparation for the 3rd round of the SAMO.

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ENTRY FORM 2013

SCHOOL: _____

POSTAL ADDRESS: _____

_____

_____

STREET ADDRESS: _____

_____

PROVINCE/COUNTRY: _____

TELEPHONE: _____ FAX: _____

E-MAIL: _____

THE SCHOOL'S COMPETITION MANAGER WILL BE _____

CELL NUMBER OF COMPETITION MANAGER _____

PLEASE INDICATE:

PUBLIC SCHOOL ☐ INDEPENDENT SCHOOL ☐ HISTORICALLY DISADVANTAGED SCHOOL ☐ HOME SCHOOL ☐

DINALEDI SCHOOL ☐

SCHOOL'S CODE NUMBER:

(For office use only) _____

STATISTICS: FIRST ROUND PARTICIPANTS

(Please complete the following information. Names of learners are not necessary. Information required for statistical purposes)

	SENIORS				JUNIORS			
	10	11	12	TOTAL	8	9	TOTAL
White							
Black							
Asian							
Coloured							
TOTALS							
Male							
Female							

HAS THE SCHOOL ENTERED BEFORE? NO ☐ YES ☐

PLEASE SEND FIRST ROUND CERTIFICATES NO ☐ YES ☐

NUMBER OF CERTIFICATES _____

For office use only	
Payment	
Question Papers	Jnr ☐ Snr ☐
Solutions	Jnr ☐ Snr ☐
Answer sheets	Jnr ☐ Snr ☐
Certificates	
Instructions	
2nd round reg form	
Confirmation letter	
Packed by	

Certificate to schools entering for the first time

TOTAL OF LEARNERS ☐ @ R15 PER ENTRY (if school enters more than 500 learners) = R ☐

TOTAL OF LEARNERS ☐ @ R20 PER ENTRY (SOUTH AFRICAN ENTRANTS ONLY) = R ☐

TOTAL OF LEARNERS ☐ @ R30 PER ENTRY (ENTRANTS FROM OTHER COUNTRIES) = R ☐

TOTAL OF SPONSORED LEARNERS (refer to requirements on reverse side) ☐

TOTAL OF DINALEDI LEARNERS (DINALEDI SCHOOLS CAN ENTER 100 LEARNERS FREE OF CHARGE) ☐

(SCHOOLS FROM OTHER COUNTRIES MUST PLEASE EXCHANGE THEIR FOREIGN CURRENCY TO SOUTH AFRICAN RAND. PAYMENTS IN FOREIGN CURRENCY WILL NOT BE ACCEPTED)

METHOD OF PAYMENT: Cheque ☐ Direct payment ☐ Electronic transfer ☐

Sponsorship ☐ (see reverse side for more information) Dinaledi School ☐

POST ENTRY FORM WITH PAYMENT/PROOF OF PAYMENT TO: **SOUTH AFRICAN MATHEMATICS FOUNDATION**
PRIVATE BAG X173, PRETORIA, 0001

Postal entries must be postmarked no later than 1 FEBRUARY 2013. No late and faxed entries will be accepted.