DEPARTMENT OF EDUCATION

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Reference: L4.3.2.2.6
Date: 22 January 2020

TO: **ACTING CHIEF DIRECTOR: DISTRICT OPERATIONS**
DIRECTOR: CURRICULUM GET
DISTRICT DIRECTORS
DISTRICT CURRICULUM HEADS
DISTRICT CURRICULUM CO-ORDINATOR: GET
PROVINCIAL CO-ORDINATOR: MATHEMATICS
CIRCUIT MANAGERS
MATHEMATICS SUBJECT ADVISORS
SCHOOL PRINCIPALS

SUBJECT: SOUTH AFRICAN MATHEMATICS CHALLENGE 2020

The South African Mathematics Foundation (SAMF) is a non-profit organization which aims to advance the Mathematics development and education of South African learners through quality teaching and learning of Mathematics through public awareness activities. SAMF is involved in learner and teacher development, advocacy and research through a series of projects throughout the year.

The Northern Cape Department of Education, in collaboration with the South African Mathematics Foundation (SAMF), would like to invite schools to participate in the South African Mathematics Challenge for Grade 4-7 learners.

The entry fee (for both rounds) is **R20** per learner for **Quintile 3, 4 and 5**, payable on entering for the First Round. This is for schools registering less than 100 learners

The entry fee (for both rounds) is **R25** per learner for **Quintile 1 and 2** payable on entering for the First Round. This is for schools registering more than 100 learners

The Northern Cape Department of Education will pay for learners registration fees.

The closing date for entries is **28 February 2020.** Completed entry forms and a list of
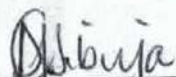
participating learners must be forwarded to **vanwykmosa@gmail.com**.

Dates for the Maths Challenge are as follows:

ROUNDS	DATES
1st Round	9-13 May 2020
2nd Round	27 May 2020
3rd Round	28 July 2020

Schools are encouraged to enter as many learners as possible as exposure to these Olympiads will result in learner improved performance in Mathematics.

Regards

G. D. SIBIYA
CHIEF DIRECTOR: CURRICULUM MANAGEMENT AND DELIVERY

SOUTH AFRICAN MATHEMATICS CHALLENGE

Grades 4 to 7

2020 ENTRY FORM

FIRST ROUND: 09 to 13 MARCH

CLOSING DATE FOR ENTRIES: 28 FEBRUARY

Challenge Yourself!
Do Better!
Be Rewarded

Endorsed by
the Department
of Basic
Education

The South African Mathematics Challenge is organised by the South African Mathematics Foundation (SAMF) in cooperation with the Association for Mathematics Education of South Africa (AMESA) and South African Mathematical Society (SAMS).

AMESA
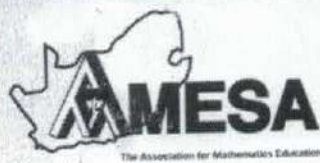
SAMS

SOUTH AFRICAN MATHEMATICS CHALLENGE

Grades 4 to 7

2020 ENTRY FORM

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$$a + b = 0$$

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AMESA
The Association for Mathematics Education

SAMS

$(a+b)^2$

First Round: 09 - 13 March

- The First Round is written at your school on any day in the week of the 09th - 13 March 2020. The recommended duration is one hour, but a little more time may be allowed.

- There are separate papers for grades 4, 5, 6 and 7. Each paper consists of 20 questions with multiple-choice answers.

- The question papers will be emailed to participating schools. The school makes copies of the papers for its learners – Pairs (Doubles) get only one question paper and one answer sheet to facilitate co-operative problem solving. Because the emphasis is not merely on calculation skills, calculators are allowed, so please try to ensure that as many learners as possible have calculators available.

- Teachers mark the papers or learners can mark and discuss it in class! Memoranda will be emailed with the papers.

- After the First Round participating schools submit their results and names of Second Round qualifiers using the provided registration form.

Second Round: Wednesday 27 May 2019, 14:00 - 15:00

Learners scoring at least 50% (10 or more out of 20) in the First Round qualify to participate in the Second Round.

- Learners will only participate as singles.

- There are separate papers for grades 4, 5, 6 and 7. Each paper consists of 20 questions which are weighted differently with multiple-choice answers.

- Only schools that have registered for the Second Round (i.e. submitted their Second Round forms to SAMF or the AMESA Regional Organiser) on time will be allowed to participate.

- The Second Round is written at individual schools.

- The answers are marked by computer.

- The Second Round results and certificates will be posted to participating schools. Schools that submit their results after the due date will receive blank certificates and their learners will not be considered for Final Round.

Third Round, 28 July

Approximately 432 best performing learners from the Second Round will be selected to write the Third and Final Round on the 28th of July 2020 from 14:00 to 15:30.

- This round will be written at identified centralised venues per province (Information will be communicated as soon as the venues have been finalised).

- Qualifying learners will write as Juniors (Grade 4 and 5) and Seniors (Grade 6 and 7).

AMESA
The Association for Mathematics Education
of South Africa

SAMS

basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

$(a+b)^2$

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 validation of problem solving methods. In short, they will become better mathematicians.
- The South African Mathematics Challenge is recognized as one of the best vehicle to identify talented learners in the country.
- The participation will result in a better quality of product from schools and will put their learners in a position to reap higher achievement in secondary school and later in tertiary

Resources

- Working through old question papers is one of the best ways to prepare for the Challenge.
- Past question papers and solutions are available on our website- http://www.samf.ac.za/sa-mathematics-challenge. Register as a user and log in to gain access to these resources.

Closing Date: 28 February 2020!!

ABSOLUTELY NO LATE ENTRIES WILL BE ACCEPTED.

- Email or fax your completed entry form and payment/proof of payment to SAMF at info@samf.ac.za OR fax it to +27(0)12 392 9312.

NB: Only schools that have registered for the First Round (i.e. submitted their entry form and paid the entry fee) on time will be allowed to participate in the First Round. **We can only register your school if we receive both documents!**

AWARDS

$a + b$

Awards for learners in the Second Round
- A "Gold" Certificate of Achievement: Score > 80%.
- A "Silver" Certificate of Achievement: 60% < Score ≤ 80%.
- A "Bronze" Certificate of Achievement: 50% ≤ Score ≤ 60%.

Awards for learners in the Third Round
- Personalised Certificate of achievement.

National Awards for learners:
- Personalised Certificate of achievement.
- National winners per division **(Senior Division AND Junior Division)** will receive Gold medals.
- National runners-up per division **(Senior Division AND Junior Division)** will receive Silver medals.
- Prize determined by sponsor.

National Awards for schools:
Best Performing Schools are presented with awards at the SAMF annual award function and the categories are:
- Overall Best Performing school
- Best New Performing School
- Best Performing per Quintile school
- Best Participating School

CONTACT INFORMATION:

South African Mathematics Foundation
Tel: +27(0)12 392 9362/48
E-mail: ramaboeat@samf.ac.za / rasehwetep@samf.ac.za
Website: www.samf.ac.za

ENTRY FORM

$(a+b)^2$

Please tick the appropriate boxes (✓)

Quintile:	1		2		3		4		5	

1. Total number of learners in the school:

2. Choose 1 of the three options:

	Public School		Independent school		Home School

3. Indicate your school's location:

	Rural		Township		Urban

4. Is your school part of the MST Grant project:

	Yes		No

5. Has the school entered before?:

	Yes		No		Not sure

School's code

NB: this information is important for purpose of sending question papers and continued communication.

Name of School:	
Postal Address:	
	Postal Code:
Street Address:	
	Street Code:
Email of school:	

Tel:	Cell:	Fax:

Province:	
Nearest Town:	
Name of the District Municipality:	
Contact name of the Teacher:	
Cell phone of the Teacher:	
Email of the Teacher:	

STATISITICS: FIRST ROUND PARTICIPANTS

The following information is required for reporting purposes.

RACE	GRADES			
	4	5	6	7
African				
Asian				
Coloured				
White				
TOTALS				
Male				
Female				

PAYMENT DETAILS:	THE ENTRY FORM SERVES AS A TAX INVOICE	VAT no: 452 026 3569

Please complete the section below:

ENTRY OPTION	No. of learners	Fee (incl 15% VAT)	Total amount	METHOD OF PAYMENT
Quintile 3, 4 & 5 schools with ≤ 100 entrants		@ R25 per learner	R	Direct payments or electronic transfers can be made to:
Quintile 3, 4 & 5 schools with > 100 entrants		@ R20 per learner	R	**SAMF** **ABSA Bank** **Branch: Hatfield**
Quintile 1 & 2 schools with ≤ 100 entrants		Free of charge		**Account No: 4061037913** **Branch code: 632005**
Quintile 1 & 2 schools with > 100 entrants		@ R20 per learner for entrants > 100	R	**NB: submit your school's name as reference.**
MST schools		@ R20 by Provincial Department	R	Paid by Provincial Education Department if arranged
Sponsorship (Not more than 100)		Submit written request	Submit written request	
Entrants from Schools outside SA		@ R45 per learner	R	
Total No. of learners		Total Amount		

NB: Entries without the correct entry fee or without proof of payment will be rejected. No refunds will be given for rejected, late or cancelled entries. It is each teacher's responsibility to ensure that entry forms are AND payments are submitted on time. No postal orders or cheques will be accepted. Schools from outside South Africa, must exchange their currency to South African Rand.