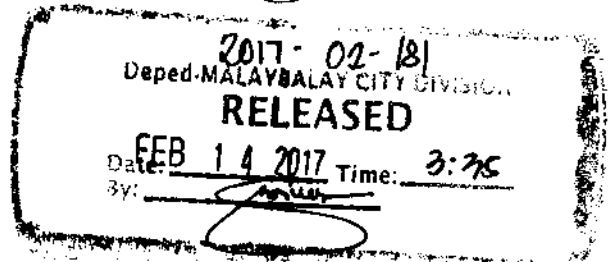





Department of Education
Region X-Northern Mindanao
DIVISION OF MALAYBALAY CITY
Casisang, Malaybalay City



DIVISION MEMORANDUM
No. 083, s. 2017



TO: Chief Education Supervisors and Staff– CID and SGOD
Public/Private Elementary and Secondary School Heads
All Others Concerned
This Division

FROM: 
EDILBERTO L. OPLENARIA, CESO VI
Schools Division Superintendent

DATE: February 13, 2017

SUBJECT: DISSEMINATION OF DEPED MEMORANDUM NO. 22, S. 2017
(2017 METROBANK- MTAP- DEPED MATH CHALLENGE)

For information and guidance of all concerned, enclosed is a DepEd Memorandum No. 22, s.2017 re: 2017 Metrobank-MTAP-DepEd Math Challenge, the content of which is self-explanatory.

Immediate dissemination of this memorandum is desired.



Republic of the Philippines
Department of Education

08 FEB 2017

DepEd MEMORANDUM
No. **22** s. 2017

2017 METROBANK-MTAP-DEPED MATH CHALLENGE

To: Bureau Directors
Regional Directors
Schools Division Superintendents
Public and Private Elementary and Secondary Schools Heads
All Others Concerned

1. On its 16th year of nationwide Competition, the Metrobank Foundation Inc. (MBFI), the Mathematics Teachers Association of the Philippines (MTAP), and the Department of Education (DepEd) will hold the **2017 Metrobank-MTAP-DepEd Math Challenge (MMC)** from January to March 2017.

2. The overall objective of the Competition is to contribute in improving the quality of Mathematics Education in the Philippines through the following:

- a. awakening greater interest in Mathematics among elementary and secondary school learners;
- b. encouraging them to strive for excellence in Mathematics;
- c. discovering mathematical talents among them;
- d. developing the values of hardwork, perseverance, honesty, teamwork, and sportsmanship; and
- e. providing them with opportunities in leadership and cooperative undertaking.

3. The **Elimination and Schools Division Level Competition** will be participated in by elementary and secondary school learners nationwide. However, only Grades 6 and 10 learners can participate in the **Regional and National Finals**. All public and private schools are required to submit the MMC Form No. 1 contained in Enclosure No. 5 to the schools division office (SDO) for registration. The Mathematics supervisor with the MMC online portal account should send the MMC Form No. 2 through an online portal, its instruction provided in Enclosure No. 4. The Contest Mechanics are contained in Enclosure No. 3.

4. Division Mathematics supervisors shall be in-charge of the preparation, implementation, and documentation of the **Elimination and Schools Division Finals Competition**, including preparation of the program and fielding of qualified officials to serve as judges, proctors, and hosts/quizmasters. They will also be responsible for settling all questions, including protests, which may arise in the course of the Competition. A panel of advisers shall also be formed by the schools division superintendent to address the questions during the Competition. *For security and for purposes of maintaining the confidentiality of the test questions, the turn-over of the test materials will be documented and all packages in the different stages of the Competition will be opened simultaneously at 8:00 a.m. on the date of the Competition. All concerned are required to carefully read the MMC Document No. 2 for the Operating Guidelines provided in Enclosure No. 2, as new policies are strictly implemented, and the Primer provided in Enclosure No. 1.*

5. For the **Regional Finals**, the Regional Mathematics supervisor shall be in-charge of the preparation, implementation, and documentation, including preparation of the program, designation of judges, proctors, correctors for the individual competition, and hosts/quizmasters. He/She will also be responsible for settling all questions, including protests, which may arise in the course of the Competition.

6. Representatives from MTAP will assist in facilitating this stage of the Competition, both in the individual and team competitions.

7. For the **National Finals**, the following are the qualifications in determining the ten National Finalists for both individual and team competitions at the elementary and secondary schools levels:

- a. Top scorers for both Categories A and B in the National Capital Region (NCR);
- b. Top scorer in each geographical area (the rest of Luzon, Visayas, and Mindanao); and
- c. Remaining five top scorers across all regions.

8. All DepEd officials, including school heads (SHs) and Mathematics teachers, are requested to actively campaign and to enjoin support for the Competition of all public and private schools nationwide to ensure maximum participation.

9. The participating parties shall shoulder expenses from the Elimination Round to the Regional Level Competition. Participants from private schools shall make necessary arrangements for their expenses with their SHs. At the National Level Competition, the MBFI will finance the transportation expenses, accommodation, and meal allowance of the national finalists and their coaches. MBFI shall also provide the awards for the winners from the Schools Division Finals (medals) to the Regional and National Finals (cash prizes, medals, and trophies) as well as cash incentives for the coaches of regional and national finalists.

10. The enclosed documents and forms (Enclosure Nos. 1 to 5) may also be downloaded either from www.mbfoundation.org or www.facebook.com/MetrobankMathChallenge.

11. Separate guidelines will be issued for the NCR Competitions.

12. In case of conflict in schedule with other DepEd activities, the schools division and regional offices are advised to assign appropriate persons to administer the tests at the schools division and/or regional levels on the scheduled dates. *As agreed upon by the MMC National Steering Committee, conduct of the contest other than the schedule below is not allowed:*

- Elimination Round : February 16, 2017 (Elementary Level)
February 17, 2017 (High School Level)
- Finals Division : March 16, 2017 (Elementary Level)
March 17, 2017 (High School Level)
- Regional Finals : March 31, 2017 (Individual and Team Competitions)
- National Finals : April 21, 2017 (Individual Written Examination)
April 22, 2017 (Individual and Team Oral Competitions)

13. Arrangements for substitute teachers must be made to ensure that the classes of the participating teacher-coaches will not be disrupted.

Only an electronic copy of the report should be submitted through email at mmc_secretariat@yahoo.com.

15. For more information, all concerned may contact **Mr. Maco R. Ravanzo**, Program Coordinator, Mathematics Teachers Association of the Philippines (MTAP), No. 39 Oxford Street corner Columbia Street, Quezon City at telephone nos. (02) 898-8898 and (02) 857-0618; mobile phone no. 0922-804-3055 or through email address mark.ravanzo@metrobank.com.ph.

16. Immediate dissemination of this Memorandum is desired.


LEONOR MAGTOLIS BRIONES
Secretary

Encls:

As stated

Reference:

DepEd Memorandum: No. 141, s. 2015

To be indicated in the Perpetual Index
under the following subjects:

CONTESTS
LEARNERS
Learning Area, MATHEMATICS
PRIZES or AWARDS
SOCIETY or ASSOCIATIONS

Lem: DM: 2017 Metrobank-MTAP-DepEd Math Challenge
0002-Jan 04/Jan 05/Jan 09 2017



PRIMER

MMC Document No. 1



ABOUT THE COMPETITION

I. NATURE

The Metrobank-MTAP-DepEd Math Challenge is an annual Mathematics competition for elementary and secondary students in both public and private schools nationwide. Now on its 16th year, the Math Challenge is being implemented by the Metrobank Foundation, Inc. (MBFI), the Mathematics Teachers Association of the Philippines (MTAP) and the Department of Education (DepEd).

II. OBJECTIVES

The overall objective of the Metrobank-MTAP-DepEd Math Challenge is to contribute in improving the quality of mathematics education in the Philippines. Specifically, it aims to:

- A. Awaken greater interest in Mathematics among elementary and secondary students in both public and private schools all over the country;
- B. Encourage students to strive for excellence in Mathematics;
- C. Encourage mastery of basic mathematical skills;
- D. Discover mathematical talents among the students;
- E. Develop the values of hard work, perseverance, honesty, teamwork and sportsmanship; and
- F. Provide students with opportunities in leadership and cooperative undertaking.

III. COVERAGE

The coverage of the competition shall be strictly the current and approved DepEd K to 12 Education Curriculum for Elementary and Secondary, per grade level. For schools with enhanced or modified curriculum, an approved equivalent DepEd certification will be required for submission.

QUALIFICATIONS

- A. Eliminations:** *All bonafide students enrolled in Grades 1 to 10 ONLY, in any public and private school in 18 regions including those from State, Universities and Colleges (SUCs), as certified by the principal or registrar of the school.*

Note: Contestants must be actually enrolled in the grade level they are competing. In **NO** instance shall mixed grade level participation in team competition be allowed. Only three (3) students per grade level shall represent each school, for both public and private.

- B. Division Finals:** *The top six (min.) to 20 (max.) highest scoring schools in the elimination round per grade level, Grades 1 to 6 (for Elementary) and Grades 7 to 10 (for Secondary) may participate.*

Note: The number of qualified division finalists depends on the total number of schools that will participate in the elimination round. Please refer to the Contest Mechanics (*MMC Document No. 3*) for details.

HOW TO JOIN

- **ALL public and private schools** must accomplish a one-page registration form (*MMC Form No. 1*) certified by the principal/registrar, indicating the school's official contestants and coaches/trainers per grade/year level. This is important to determine the number of questionnaires to be produced for the Eliminations.
- Submit a photocopy of the duly-accomplished **MMC Form 1** and the school identification cards of the contestants and coaches to the DepEd Division Math Supervisors where your school is located on or before **December 12, 2016**.
- The concerned DepEd Division Math Supervisors shall then accomplish and submit the summary of participants (*MMC Form No. 2*) via the MMC online portal indicating the testing centers and the number of participants. Instructions will be provided to all DepEd Divisions (*MMC Document No. 5*).
- The accomplished **MMC Form No. 2** must be encoded and submitted on or before **January 13, 2017** through MMC online portal.

WHERE TO GET THE FORMS

www.mbfoundation.org.ph
November 2016

C. Regional Finals:

- **Individual Competition:** All top placers in each division during the elimination round, for both Grades 6 and 10, provided they meet the hurdle rate of 25 points out of a perfect score of 50.
- **Team Competition:** All the 1st placers during the Division Finals, for both Grades 6 and 10, provided they meet the hurdle rate of 30 points out of a perfect score of 60.

D. National Finals (for both Individual and Team Category)

- **For both Elementary and Secondary Levels:**
 - i. Top scorers for both Categories A & B in NCR
 - ii. Top scorer in each geographical area (Rest of Luzon, Visayas, and Mindanao)
 - iii. Remaining five (5) top scorers across all regions
- **Individual and Team contestants should meet the hurdle rate of 45 points out of a perfect score of 60.**

PRIZES AND REWARDS

FOR STUDENTS

A. Elimination Stage (Grades 1 to 6; Grades 7 to Grade 10)

The following top-ranking students shall be given certificates of merit:

- ◆ 1st Honors: for those who get 90% correct answers
- ◆ 2nd Honors: for those who get 80% correct answers
- ◆ 3rd Honors: for those who get 70% correct answers

B. Division Finals (Grades 1 to 6; Grades 7 to Grade 10)

- ◆ Medals and certificates for each member of the top 3 winning teams per grade/year level
- ◆ Certificates of recognition for the schools of the top 3 winning teams, per grade/year level
- ◆ Certificates of appreciation for all coaches/trainors
- ◆ Certificates of merit for non-winning contestants

C. Regional Finals (Grade 6 and Grade 10)

- ◆ Medals and cash prizes for the top 3 individual winners and members of the top 3 winning teams per level
- ◆ Certificates of recognition for the top 3 individual winners and members of the top 3 winning teams per grade/year level
- ◆ Trophies for the schools of the top 3 winning teams per level
- ◆ Certificates of recognition for all coaches/trainors
- ◆ Certificates of merit for non-winning Regional Finalists

D. National Finals (Grade 6 and Grade 10)

- ◆ Medals and cash prizes for the top 3 individual winners and the members of the top 3 winning teams per level
- ◆ Trophies for the schools of the top 3 winning teams per level
- ◆ Certificates of recognition for all coaches/trainors
- ◆ Certificates of recognition for National Finalists

FOR COACHES

Coaches in the Regional and National Finals will receive cash allowance. However, if the coach handles both individual and team contestants from the same school, he/she will receive cash allowance only once.

STAGES OF THE COMPETITION

A. INDIVIDUAL COMPETITION



B. TEAM COMPETITION



COMPETITION IMPLEMENTORS

A **National Steering Committee** composed of officers / representatives from MBFI, MTAP and DepEd, shall oversee the implementation and formulate the guidelines, policies and mechanics of the competition.

The **MBFI** shall serve as major sponsor and Implementor and thus, be involved in all aspects and phases of the competition including supervision of the **National Finals and Awarding Ceremonies**.

The **MTAP** shall oversee the conduct of the Regional Finals in coordination with DepEd and the National Finals in coordination with MBFI. MTAP will also be responsible for settling all questions, including protests, which may arise in the course of the competition at the **Regional Level**.

The **DepEd** shall supervise the competition from the Elimination Rounds to the Regional Finals and shoulder expenses incidental thereto from sources to be determined by participating parties. DepEd will also be responsible for settling all questions, including protests, which may arise in the course of the competition from the **Elimination to the Division Level**.

December **12**, 2016

COMPETITION SCHEDULE

January **13**, 2017

February **16 and 17**, 2017

Elimination Round for Elementary Level
(January 12) and High School Level (January 13)

March **16 and 17**, 2017

Division Team Finals for Elementary (February 2)
and High School Level (February 3)

March **31**, 2017

April **21**, 2017

FOR MORE DETAILS



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/MetrobankMathChallenge

April **22**, 2017

National Finals (Individual and Team Orals) and
Awarding Ceremonies
Venue is Metrobank Plaza Auditorium, Makati City



OPERATING GUIDELINES

MMC Document No. 2



I. SCHOOL LEVEL:

1. It is recommended for schools to conduct their own mini-competition using a written exam by grade level to determine the best candidates who will join the MMC elimination rounds.
2. The top three students per grade level who will obtain the highest scores will represent the school in the Elimination Round.
Note: The elimination round is open to ALL interested schools, both private and public. It is suggested that school districts should not conduct their own elimination to choose contestants for the whole district. This is to give each school equal chances of joining.
3. There shall be a maximum of (18) pupils for Elementary and/or (12) students for High School in every participating school, broken down as follows.

Example:	School A (Elementary)					
Grade	1	2	3	4	5	6
Number of Pupils	3	3	3	3	3	3

Example:	School A (High School)			
Grade/Level	7	8	9	10
Number of Pupils	3	3	3	3

4. All participating public and private schools are required to accomplish a one-page Registration Form (MMC Form No. 1), a photocopy of which should be sent directly to the DepEd Division Math Supervisor in-charge on or before December 12, 2016.
5. The school must present the original copy to the registration in-charge together with identification cards during the Elimination Round on **February 16, 2017** (Elementary) or **February 17, 2017** (High School). This serves as permit in joining the competition. **No permit. No Entry** policy shall be implemented.
6. The DepEd Division Math Supervisors shall then collate all MMC Form No. 1 submissions and accomplish the summary of participants (***MMC Form No. 2***) **ONLINE** indicating the testing centers and the total number of students per grade per testing center through an **MMC online portal** on or before **January 13, 2017**. Instructions are in MMC Document No. 4. Failure to submit may be a ground for disqualification of the Division in conducting the elimination round, which is scheduled on **February 16-17, 2017**.

II. ELIMINATION ROUNDS

7. The DepEd Division Math Supervisor shall be in-charge of the preparation, implementation and documentation of the Elimination Rounds competition. He/she will also be responsible for settling all questions, including protests, which may arise in the course of the competition, or a panel of advisers may be formed by the Schools Division Superintendent.

8. The test materials shall be prepared by the MMC secretariat and transmitted through the pre-assigned Metrobank branch for each Division. The pre-assignment and matching will be done by Metrobank Foundation.
9. In case there is no Metrobank branch in the area, the test materials shall be delivered directly to the DepEd Division Office/s addressed to the Schools Division Superintendent.
10. The concerned Branch Manager or Schools Division Superintendent shall turn over the questionnaires personally to the Division Math Supervisor on March 16, 2017 for Elementary and March 17, 2017 for High School.
11. The Division Math Supervisor shall then turn over the questionnaires to the Testing Center Coordinators on the same dates. A certification on top of the package which contains the questionnaires will be signed by the Metrobank Branch Manager, Schools Division Superintendent, the Division Math Supervisor, and the Testing Center Coordinator to document the said turnover of test questionnaires.
12. A Division may have one or more testing centers depending on the distance between the schools, the size of the Division and the number of participating schools. It will be feasible to have one center per District for the elementary. For the High School, a cluster of towns may have one center. A cluster of City Divisions with very few Secondary schools may also have just one center.
Example: Suppose Division A has 20 participating schools. Then, there will be 20 x 3 or 60 students/grade level or a total of 360 pupils from Grades 1 to 6 who will take the test in the Center. If those 20 schools are very far from each other, the Division may have more than one center for them.
13. The test materials will be opened publicly by the Testing Center Coordinator just before the start of the competition at 8:00 a.m. A short opening program may be conducted where the materials will be officially opened. A certification will be signed by the Testing Center Coordinator and selected proctors to document the proceedings.
14. In case the number of questionnaires sent is not enough, photocopying is **NOT ALLOWED**. Only pre-registered participants shall be allowed to take the test. Thus participating schools must ensure that they submitted a photocopy of their MMC Form No. 1 to their local DepEd Divisions and that the date encoded online (MMC Form No. 2) are submitted on time and accurate.
15. **The Elimination Round should be held simultaneously in all regions nationwide on February 16-17, 2017 at 8:30 a.m. As agreed upon by the MMC National Steering Committee, conduct of the contest other than this schedule is not allowed.**
16. The test papers will be corrected using the answer key provided. Please refer to the **Guidelines** in Checking the Test Papers.
17. The winners of the elimination round should be announced as soon as test papers are corrected and within the date of the competition. In case the results will not be released because of a valid reason (i.e. too many schools joined and the assigned correctors will not be able to finish checking the test papers on time), the Division Math Supervisor should announce the results not later than before February 24, 2017.

18. Announcement of results of the elimination round should be formalized through the issuance of a DepEd Division memorandum circular.
19. Concerned Division Math supervisors are also required to post the results of the elimination round ONLINE via the MMC site.
20. The school scores of the whole Division per grade shall be ranked from highest to lowest. Please refer to the MMC Document No. 3 (Contest Mechanics) Item no. 13 for the guide in computing the total scores for participating schools.
21. The top 6 to 20 highest scoring schools qualify to participate in the **Division Team Finals** competition. The number of teams qualified to join the Division Finals is dependent on the number of participating schools in the elimination rounds. Please refer to matrix below:

Number of Participating Schools	Number of Teams to Qualify in the Division Finals	Number of Participating Schools	Number of Teams to Qualify in the Division Finals
16-20	Top 8	36-40	Top 16
26-30	Top 12	46 or more	Top 20

Note: 20 is the maximum number of teams because based on experience, it is the most manageable number for an oral team competition.

22. The DepEd Division Math Supervisors shall then submit the summary of the number of teams which are qualified to join the Division Finals (**MMC Form No. 3**) **ONLINE** through the **MMC online portal** on or before **February 24, 2017**. Delay in the submission will cause delay in sending the test materials.
23. Certificates of Merit shall be awarded to students from Grades 1 to 10 who qualify under the following conditions in the Elimination Rounds based on their performance:

Rank	Grade 1 and 2	Grade 3 and 4	Grade 5 to 10
1 st Honors	For those who get 27 or more correct answers	For those who get 36 or more correct answers	For those who get 45 or more correct answers
2 nd Honors	For those who get 24 to 26 correct answers	For those who get 32 to 35 correct answers	For those who get 40 to 44 correct answers
3 rd Honors	For those who get 21 to 23 correct answers	For those who get 28 to 31 correct answers	For those who get 35 to 39 correct answers

24. The top Grade 6 and Grade 10 individuals of each Division in the elimination rounds automatically qualify to the Regional Finals provided they meet the hurdle rate of 25 out of a perfect score of 50 or 50% out of the perfect score.

III. DIVISION FINAL

25. The **DepEd Division Math Supervisor** shall be in-charge of the preparation, implementation and documentation of the Division Finals competition including preparation of the program and designation of judges, proctors and hosts/quizmasters. ***He/she will***

also be responsible for settling all questions, including protests, that may arise in the course of the competition, or a panel of advisers may be formed by the Division Schools Superintendent.

26. The test materials shall be prepared by MMC Secretariat and transmitted through the same Metrobank branch in the Division/area which coordinated the elimination rounds.
27. In case there is no Metrobank branch in the area, the test materials shall be delivered to the Division Office/s addressed to the Schools Division Superintendent.
28. The concerned Branch Manager or Schools Division Superintendent shall turn over the questionnaires personally to the DepEd Division Math Supervisor **on the day of the Division Finals**, i.e., **March 16, 2017** (Elementary) and **March 17, 2017** (High School).
29. An Opening Program for the Division Finals should be made at **8:00 am** where the package of test questionnaires shall be **opened publicly** and witnessed by the Branch Manager or Schools Division Superintendent. This must be documented using digital or cellphone camera, as proof.
30. The Team Orals should be conducted in three different venues (Grades 1-2 in one venue, and Grade 2-3 in another venue, and Grade 5-6 in another venue). The competition should be held simultaneously, preferably on the stage, inside the gym or any function room that can accommodate the participants and audience for the competition.
31. The following schedule of competition shall be followed:

Grade 1	Grade 3	Grade 5	8:30 am
Grade 2	Grade 4	Grade 6	10:00 am
Grade 7	Grade 9	8:30 am	
Grade 8	Grade 10	10:00 am	

32. Concerned Division Math supervisors are also required to **post the result of the Division Finals ONLINE via the MMC site.**
33. The results of the Division Finals should be announced immediately after the competition and a DepEd memo should be issued to formalize the announcement. A copy of the memo should be furnished the DepEd Regional Math Supervisor for reference in preparation for the Regional Finals.
34. **Medals and certificates** will be awarded to the members of the **top 3 winning teams** per grade/year level regardless of their scores.
35. First place winners in the Grade 6 and Grade 10 in the Division Finals are qualified to compete in the **Regional Finals** provided they meet the hurdle rate of **30 points out of a perfect score of 60.**
36. Certificates of Recognition will be awarded to the schools of the top 3 winning teams. Certificates of appreciation will be given to all coaches and staff members of the competition. All non-winning contestants will be given certificates of merit.

37. The Division Math Supervisor shall submit a completion report on the conduct of the Elimination and Division Finals on or before **March 23, 2017**. Only an electronic copy of the report should be submitted through email at maco.mbf@gmail.com, with the following content:

1. Executive Summary (Narrative Report)
3. Copy of the Opening Program
5. Division Memorandum on the Results of the Elimination Rounds
1. Executive Summary (Narrative Report)
3. Copy of the Opening Program
5. Division Memorandum on the Results of the Division Finals
8. 5 best photos (action shots)

IV. REGIONAL FINALS

38. The **DepEd Regional Math Supervisor** shall be in-charge of the preparation, implementation and documentation of the Regional Finals, including preparation of program, designation of judges, proctors, correctors for the individual competition, hosts/quizmasters and the accommodation of the MTAP representative. He/She must also endeavor to provide whatever assistance is needed by the MTAP representative.
39. An **MTAP representative** will assist in facilitating this stage of the contest, both for the individual and team competitions. ***He/she will also be responsible for settling all questions, including protests, that may arise in the course of the competition.***
40. The MTAP representative shall bring the questionnaires and awarding materials on the date of the contest. He/she will open the package containing the questionnaires at 8:00 am with the presence of the Schools Division Superintendent.
- A. INDIVIDUAL WRITTEN COMPETITION: (Grade 6 and Grade 10 only)**
41. The competition shall be conducted in a close room. For this competition, the contestants must use their code numbers given to them at the registration.
42. There may be more than one corrector for the papers, but only one may correct either Part II or III for the sake of consistency in the giving of partial credit. Each paper must be counter-checked by a corrector of another part of the paper.
43. The top three scorers will be awarded with certificates, medals and cash prizes regardless of their scores.

44. Certificates of merit will be given to all non-winning Regional Finalists while certificates of recognition will be given to all trainers/coaches.

B. TEAM ORAL COMPETITION: (Grade 6 and Grade 10 only)

45. The conduct of the competition shall be the same with the Division Team Oral Finals.

46. The following schedule shall be followed:

8:00 am	Opening Program
8:30 am	Individual Written Exam for Grade 6 and Grade 10
10:00 am	Grade 6 Team Oral Competition
11:30 am	Grade 10 Team Oral Competition
1:00 pm	Awarding Ceremonies

47. The top 3 teams will be declared winners and will be awarded with certificates, medals and cash prizes regardless of their scores. Trophies will be awarded to the schools of the winning team, regardless of their scores. Certificates of recognition will be given to all coaches and staff members. All non-winning Regional Finalists will be given certificates of merit.

48. Coaches of both individual and team contestants shall be given cash allowance by the Metrobank Branch representative concerned. *However, in case the individual and team Regional Finalists come from the same school, only the coach of the team shall be given cash allowance.* This should be announced by the Host/Quizmaster during the OPENING PROGRAM.

49. The Metrobank Foundation will provide the cash prizes, medals and trophies while MTAP, shall provide certificates.

V. NATIONAL FINALS

A. SELECTION OF NATIONAL FINALISTS: (Grade 6 and Grade 10 only)

50. Scores of all regional first place winners in each geographical area, i.e., NCR, Rest of Luzon, Visayas and Mindanao, for both individual and team competition, shall be ranked from highest to lowest.

51. Slots Allocation of National Finalists:

For both **Elementary and High School Levels**

- >Top scorers for both Categories A & B in NCR
- >Top scorers in each geographical are (Rest of Luzon, Visayas, and Mindanao)
- >Remaining five (5) top scorers across all regions.

52. Top rankers must also meet the "hurdle rate" established by the National Steering Committee, which is **45 points** out of a perfect score of 60 points.

53. In case of tie, the Metrobank Branch concerned will administer the tie-breaking questions at a designated venue, in coordination with the DepED Regional Office.

54. National Finalists shall be notified formally by Metrobank Foundation as soon as the consolidation of results is completed by MTAP and MBFI.

B. INDIVIDUAL COMPETITION: (Grade 6 and Grade 10 only)

55. The individual contestants will undergo both written and oral competitions. The individual written competition will be administered a day before the oral competition.

56. The final score of each individual contestant will be **60% of written score + 40% of the oral score**. This will be announced after the oral competition.

57. The contestants will be ranked according to the combined scores and the top three will be declared winners. In case of a tie among any of the teams vying for the first three places, a set of 3 questions will be given to break the tie, one from each category of questions. If the tie is not broken after the three questions, "do or die" questions will be given.

C. TEAM COMPETITION: (Grade 6 and Grade 10 only)

58. The team contestants will undergo an oral competition only.

Note: The complete mechanics of both the individual and team competitions at the national level shall be explained prior to the start of the contest.



CONTEST MECHANICS

MMC Document No. 3



I. ELIMINATION ROUNDS

1. The contestants from each participating school shall take the elimination round in a testing center designated by the Division. The elimination round is a written test.
2. Contestants register by sending a copy of their MMC Form No. 1 to the local DepEd Division on or before **December 12, 2016**. Upon registration on the actual date of the elimination rounds, they present the original copy of MMC Form 1 and contestants shall be assigned their testing rooms.
3. Contestants in a testing room must be of the same grade level. Students from the same school must not sit beside each other nor one behind the other.
4. Contestants are NOT allowed to bring cellphone, ipad, ipod, camera, calculator, laptop computer and other gadgets inside the testing room.
5. The proctor shall distribute first the scratch papers where the contestants shall solve the problems. Contestants should write their names in all the scratch papers.
6. Before distributing the test papers, the proctor should tell the contestants that they should write **only** their name and school on the test paper. No one should begin answering the questions unless the proctor gives the signal to do so.
7. The proctor tells the contestants that **only the final answers** must be written on the test paper. All solutions shall be placed on the scratch papers which should also be turned over to the proctors together with the test paper.
8. The proctor informs the contestants of the time limit for the test. He gives the signal for the contestants to begin. Then, he writes on the board "Time Started: ____ " and "Time Ends: ____ "

Duration of the test:

Grades 1 and 2	60 minutes
Grades 3 and 4	80 minutes
Grades 5 and 6	100 minutes
Grade 7 to 10	2 hours

9. Proctor gives 15 minutes and 5 minutes warning before the time is up. All test and scratch papers should be collected when the time is up.
10. The proctor shall give all papers (answered test papers, scratch papers, extra copies of questions) to the person in-charge of assigning the checkers.

11. If any student submits the paper before the time, the proctor shall accept it and ask the student to leave the classroom. The proctor shall collect ALL papers when the time is up and will not allow any extension.
12. The papers shall be corrected using the answer keys provided. Answer keys shall only be opened just before correction begins. Each correct answer merits one point.
13. The scores of the top two contestants of a school by grade/year level shall be added to form the school's score. Suppose the scores of the (3) contestants of *School A* in *Grade 1* are as follows:

Efren: 32 Rosa:35 Jose: 38

- The score of *School A* will be $35 + 38 = 73$. The *Grade 1* team from *School A* will be composed of **Jose and Rosa**.
- Assuming *School A* qualifies to compete in the **Division Team Finals**, *Efren* will be the alternate if either **Rosa** or **Jose** is not available on the date of the competition.
- If in case both **Jose** and **Rosa** are not available to compete due to unforeseen circumstances, **Efren** will not be allowed to compete alone. Thus, their team will automatically be disqualified. **SUBSTITUTION IS NOT ALLOWED.**

DIVISION FINALS

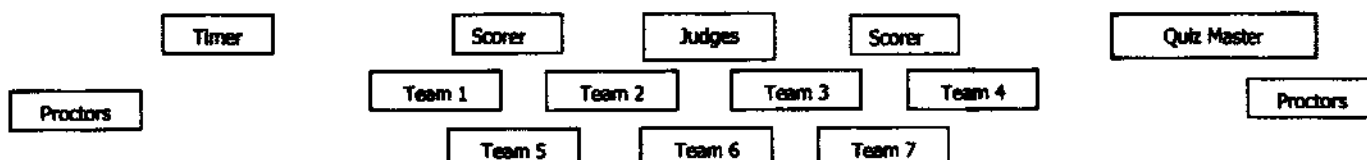
14. The Division Finals is a written-oral team competition.
15. Each team will be provided with slips of paper for the answer to each question. Before the first question, they will write their team identification on each slip.
16. There shall be 20 questions: 10 fifteen-second questions worth 2 points each, 5 thirty-second questions worth 3 points each and 5 one-minute questions worth 5 points each for a total of 60 points.
 - a. The 15-second questions are to be answered mentally. There will be no writing anywhere, neither on paper, the table, etc. The team, of two, will work together as one to discuss their answer to the question. They may start discussing their solution after the first reading of each question.
 - b. For the 30-second questions, scratch paper will be provided for each team-contestant. Contestants may begin solving as soon as they wish.
 - c. For 1-minute questions, a copy of the questions will be provided for each team. Scratch papers will be provided.
17. The quizmaster will read each question twice, after which he/she gives the GO signal. The timer starts when the quizmaster gives the GO signal.
18. Each answer will be written on the official answer slips provided. As soon as the buzzer rings, everybody must stop writing.

19. Proctors will collect the answer slips and give them to the judges who sort them into two sets: those with correct answers and those with wrong answers.
20. One of the judges will announce the teams with the correct answer. The scorers record the points obtained by each team for each correct answer.
21. Answers must be given complete with units and to the required accuracy. However if the unit is already given in the way the question is asked, it need not be given in the answer.
22. The teams will be ranked according to their total score in the three parts to determine the winners.
23. In case of a tie among any of the teams vying for the first three places, a set of 3 questions will be given to break the tie, one from each category of questions. If the tie is not broken after the three questions, "do or die" questions will be given.

COMPLAINTS OR CLARIFICATIONS

24. Only the official contestants may raise a complaint or clarification.
25. Complaints on a given question should be made before the next question is asked. This should be directed to the Chairman of the Board of Judges.
26. The following are responsible for settling all questions, including protest, which may arise in the course of the competition:
 - **Elimination Round to the Division Finals** - Department of Education (DepEd)
 - **Regional Finals** - Mathematics Teachers Association of the Philippines, Inc. (MTAP)
 - **National Finals** - Metrobank Foundation, Inc. (MBFI)

SUGGESTED PHYSICAL ARRANGEMENT:



27. Each team of 2 will be seated in such a way that they can discuss their answers. They must be facing the judges.

MANPOWER REQUIREMENT:

28. Each venue requires the following support staff: 3 Judges, 1 Quizmaster, 2 Scorers (1 on the board/project on screen and 1 manual scoring using the score sheet), 1 timer, 1 proctor for every 4 to 5 teams.

BOARD OF JUDGES:

29. There will be a panel of three judges composed of persons competent in the field of Mathematics.
30. The board of judges shall resolve complaints and problems regarding the test questions and their respective answers.
31. All decisions of the board of judges shall be final.

CHANGES ON RULES AND REGULATIONS

32. Only the National Steering Committee reserves the right to make any modifications on the rules and regulations of the Competition.

III. REGIONAL FINALS

A. INDIVIDUAL COMPETITION: (Grade 6 and 10 only)

33. The Regional Finals for the Individual Competition is a written exam.
34. The test consists of three types of questions:
Part I - 15 questions worth 2 points each
Part II - 5 questions worth 3 points each; and
Part III - 3 questions worth 5 points each for a total of 60 points
35. For this competition, the contestants must use their code numbers given to them at the registration.
36. The Grade 6 contestants will be given 1.5 hours to answer the test; the Grade 10 contestants, 2 hours.
37. Partial credit will be given to answers in Parts II and III.
38. There may be more than one corrector for the papers, but only one may correct either Part II or III for the sake of consistency in the giving of partial credit. Each paper must be counter-checked by a corrector of another part of the paper.

B. TEAM COMPETITION: (Grade 6 and 10 only)

39. The mechanics of the Regional Finals Team Competition is the same as that of the Division Finals.

IV. NATIONAL FINALS

A. INDIVIDUAL COMPETITION: (Grade 6 and 10 only)

40. The individual contestants will undergo both written and oral competitions. The individual written competition will be administered a day before the oral competition.
41. The final score of each individual contestant will be 60% of the written score + 40% of the oral score. This will be announced after the oral competition.

42. The contestants will be ranked according to the combined scores and the top three will be declared winners.

B. TEAM COMPETITION: (*Grade 6 and 10 only*)

43. The team contestants will undergo an oral competition only. The mechanics are the same as those of the Division and Regional Finals.

44. The top three teams will be declared winners. In case of a tie among any of the teams vying for the first three places, a set of 3 questions will be given to break the tie, one from each category of questions. If the tie is not broken after the three questions, "do or die" questions will be given.