



January 4, 2019

DIVISION MEMORANDUM

No. 005, s. 2019

TO: Assistant Schools Division Superintendent
Division Chiefs
Education Program Supervisors
Public School District Supervisors
Public/Private Secondary/Elementary School Heads

**2019 METROBANK- MTAP - DEPED MATHEMATICS CHALLENGE (MMC)
(ELIMINATION ROUNDS & WRITTEN COMPETITION)**

1. This Office announces the conduct of the 2019 Metrobank-MTAP-DepEd Math Challenge (MMC) – Elimination Rounds and Written Competition on the following schedules:

| Level | Date | Venue | Time |
|------------------|------------------|------------------------------|-----------|
| Elementary Level | January 17, 2019 | San Jose del Monte CS | 7:30 a.m. |
| Junior HS Level | January 18, 2019 | Sto. Cristo NHS (Annex Bldg) | 7:30 a.m. |

2. The overall objective of the competition is to ensure maximum participation in improving the quality of Mathematics Education in the Philippines. Specifically it aims to:
- awaken greater interest in Mathematics among elementary and junior high school learners in the country;
 - challenge them to strive for excellence in Mathematics;
 - develop the values of hard work, perseverance, honesty, teamwork, and sportsmanship;
 - provide them with opportunities in leadership and cooperative undertaking; and
 - empower mathematical talents with awards and recognition for them to serve as models for the youth.
3. Enclosed are the following:
- MMC Document No. 1 – Primer
 - MMC Document No. 2 – Operating Guidelines; and
 - MMC Document No. 3 – Contest Mechanics
4. Travel expenses and meals of the contestants and their coaches shall be charged to the school MOOE/canteen or other available sources of fund subject to the usual accounting and auditing rules and regulations.
5. School Heads are enjoined to make prior arrangements to avoid disruption of classes.
6. Wide dissemination of this Memorandum is earnestly desired.


GERMELINA H. PASCUAL, CESO V
Schools Division Superintendent



PRIMER

MMC Document

No. 1



ABOUT THE COMPETITION

I. NATURE

The Metrobank-MTAP-DepEd Math Challenge is an annual Mathematics competition for elementary and junior high school students in both public and private schools nationwide. Now on its 18th 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:

- Awaken greater interest in Mathematics among elementary and secondary students in both public and private schools all over the country;
- Encourage students to strive for excellence in Mathematics;
- Discover mathematical talents among the students;
- Develop the values of hard work, perseverance, honesty, teamwork and sportsmanship; and

III. COVERAGE

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

HOW TO JOIN

- ALL public and private schools** must register online via the MMC Form No. 1 web address <http://metrobankmathchallenge.com> on or before **November 17, 2018**. Instructions are in **MMC Document No. 4**.
- Print and submit the online MMC Form No. 1 (email confirmation) to the DepEd Division Math Supervisors where your school is located on or before **November 17, 2018**.
- The concerned DepEd Division Math Supervisors shall accomplish and submit the summary of participants (**MMC Form No. 2**) via the MMC online portal. Instructions will be provided to all DepEd Divisions (**MMC Document No. 5**).
- The MMC Document No.5 and Math Supervisor access on MMC Online Portal will be available on **November 19, 2018**.
- The accomplished **MMC Form No. 2** must be encoded and submitted on or before **November 26, 2018**.
- You may call Jashly Rayoan, Technical Assistant at CP No. (0917) 314-7616 for any difficulties in logging into your MMC account or if you have any questions related to the MMC online portal.

QUALIFICATIONS

- Eliminations:** *All bonafide students enrolled in Grades 1 to 10 ONLY, in any public and private school in 17 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.

- 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 Junior High School) may qualify.*

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.

MMC Documents Guide

MMC Document No.1 – Primer
 MMC Document No.2 – Operating Guidelines
 MMC Document No.3 – Contest Mechanics
 MMC Document No.4 – Instructions on the Online Registration: MMC Form No. 1
 MMC Document No.5 – Instructions on the MMC Online Portal for Math Supervisors

You may download the documents at the Metrobank Foundation website at www.mbfoundation.org.ph or through the official Facebook Page of MMC at www.fb.com/MetrobankMathChallenge.

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:**
 - Top scorers for both Categories A & B in NCR
 - Top scorer in each geographical area (Rest of Luzon, Visayas, and Mindanao)
 - 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

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:

Grade 6

- 1st Place – P4,000.00
- 2nd Place – P3,000.00
- 3rd Place – P2,000.00

Grade 10

- 1st Place – P6,000.00
- 2nd Place – P5,000.00
- 3rd Place – P4,000.00

A portion of the cash prize will be used to open a Metrobank savings account for kids called, Fun Savers Club.

- ❖ 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
- ❖ Cash allowance of P750.00 for coaches
- ❖ 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:

Grade 6

- 1st Place – P25,000.00
- 2nd Place – P20,000.00
- 3rd Place – P15,000.00

Grade 10

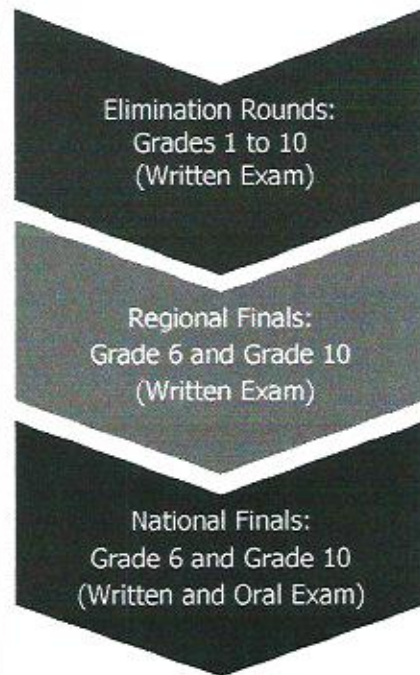
- 1st Place – P50,000.00
- 2nd Place – P40,000.00
- 3rd Place – P30,000.00

A portion of the cash prize will automatically be deposited to their Fun Savers Club savings account

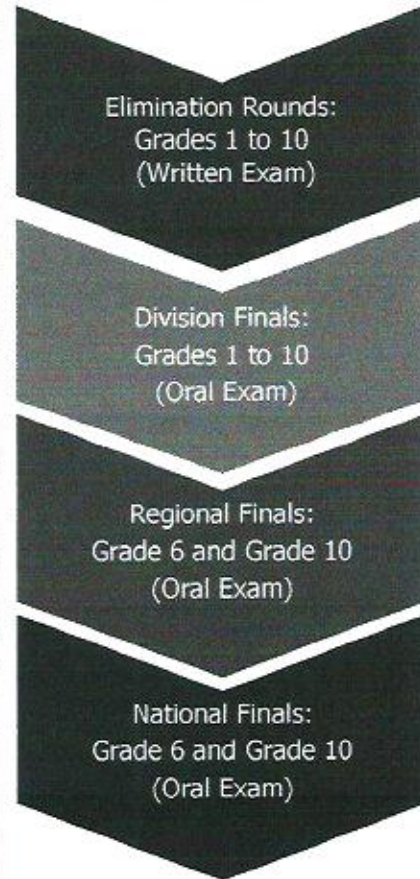
- ❖ Trophies for the schools of the top 3 winning teams per level
- ❖ Certificates of recognition for all coaches
- ❖ Cash allowance of P1,500.00 for coaches
- ❖ Certificates of recognition for National Finalists

STAGES OF THE COMPETITION

A. INDIVIDUAL COMPETITION



B. TEAM COMPETITION



Note: For NCR, Sectoral Finals are held before the Regional Finals.

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, shall 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**.

November 17, 2018

Deadline for Submission of MMC Form No. 1

(ALL Public and Private Schools must register online via <http://metrobankmathchallenge.com>)

COMPETITION SCHEDULE

November 26, 2018

Deadline for Online Submission of MMC Form No. 2

(DepEd Division Math Supervisors to approve MMC Form No. 1 online applications and assign testing centers for the participating schools via MMC Online Portal

(<http://onlineportal.metrobankmathchallenge.com>)

January 17 and 18, 2019

Elimination Round for Grades 1-6 (January 17)
and Grades 7-10 (January 18)

February 7 and 8, 2019

Division Team Finals for Grades 1-6 (February 7)
and Grades 7-10 (February 8)

March 1, 2019

Regional Finals

March 29, 2019

National Individual Finals
(Written Exam) and Opening Program
of the National Finals

FOR MORE DETAILS



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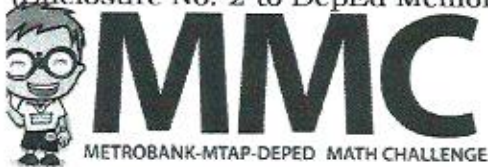
iccoronel_mtaphil@yahoo.com
secretariat.mathchallenge@gmail.com



/MetrobankMathChallenge

March 30, 2019

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 that schools 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 Junior High School in every participating school, broken down as follows.

| Example: | School A (Grades 1-6) | | | | | |
|------------------|-----------------------|---|---|---|---|---|
| Grade | 1 | 2 | 3 | 4 | 5 | 6 |
| Number of Pupils | 3 | 3 | 3 | 3 | 3 | 3 |
| Total | 18 | | | | | |

| Example: | School A (Grades 7-10) | | | |
|------------------|------------------------|---|---|----|
| Grade/Level | 7 | 8 | 9 | 10 |
| Number of Pupils | 3 | 3 | 3 | 3 |
| Total | 12 | | | |

4. **ALL public and private schools** must accomplish an online registration (MMC Form No. 1) via the MMC portal: <http://metrobankmathchallenge.com>. They must then print and submit the online MMC Form No. 1 (email confirmation) to the DepEd Division Math Supervisors where their school is located on or before **November 17, 2018**.
5. The School contestants and their respective coaches must present the **printed copy of online MMC form No. 1 (email confirmation)** to the registration in-charge together with their identification cards during the Elimination Round on **January 17, 2019** (Elementary) or **January 18, 2019** (Junior 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 review and approve the MMC Form No. 1 submissions and assign the testing centers of the participating schools (**MMC Form No. 2**) **ONLINE** through the **MMC online portal** using this web address <http://onlineportal.metrobankmathchallenge.com> on or before **November 26, 2018**. Instructions are in **MMC Document No. 5**. Failure to submit may be a ground for disqualification of the Division in conducting the elimination round, which is scheduled on **January 17-18, 2019**.
7. DepEd Division Math Supervisors' access on the MMC online portal and **MMC Document No. 5** will be available on **November 15, 2018**.

II. ELIMINATION ROUNDS

8. 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.
9. 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.
10. 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.
11. The concerned Branch Manager or Schools Division Superintendent shall turn over the questionnaires personally to the Division Math Supervisor on **January 17, 2019** for Grades 1-6 and **January 18, 2019** for Grades 7-10.
12. 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.
13. 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 category. For the Junior High School category, 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.
14. 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.
15. 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 successfully accomplished and submitted their online registration MMC Form No. 1 via the MMC Online Portal & to their local DepEd Divisions and that the data encoded online (**MMC Form No. 2**) were submitted on time and accurate.
16. **The Elimination Round should be held simultaneously in all regions nationwide on January 17-18, 2019 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.**

17. The test papers will be corrected using the answer key provided. Please refer to the **Guidelines** in Checking the Test Papers.
18. 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 **January 21, 2019.**
19. Announcement of results of the elimination round should be formalized through the issuance and dissemination of a DepEd Division memorandum circular.
20. Concerned Division Math supervisors are also required to post the results of the elimination round ONLINE via the MMC portal.
21. 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.
22. 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 |
|---------------------------------|---|---------------------------------|---|
| 15 or fewer | Top 6 | 31-35 | Top 14 |
| 16-20 | Top 8 | 36-40 | Top 16 |
| 21-25 | Top 10 | 41-45 | Top 18 |
| 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.

23. 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 **January 21, 2019.** Delay in the submission will cause delay in the sending of the test materials.
24. Certificates of Merit shall be awarded to students from Grades 1 to 10 who qualify under the following conditions based on their performance in the Elimination Rounds:

| 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 |

25. 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%.



CONTEST MECHANICS

MMC Document No. 3



I. ELIMINATION ROUNDS

1. **ALL public and private schools** must register online via the online MMC Form No. 1: <http://metrobankmathchallenge.com> on or before **November 17, 2018**.
2. 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.
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:

| Grade Level | Time Allotment |
|----------------|----------------|
| 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.**