



Republic of the Philippines  
DEPARTMENT OF EDUCATION  
Region III  
CITY SCHOOLS DIVISION  
City of San Jose del Monte



January 8, 2018

DIVISION MEMORANDUM  
No. 04, s. 2018

2018 METROBANK- MTAP - DEPED MATH CHALLENGE (MMC)  
(ELIMINATION ROUNDS & WRITTEN COMPETITION)

To: Assistant Schools Division Superintendent  
Division Chief, CID  
Public Schools District Supervisors  
Public/Private Elementary and Secondary School Heads  
All Others Concerned

1. This Office announces the conduct of the 2018 Metrobank-MTAP-DepEd Math Challenge (MMC) - Elimination Rounds and Written Competition on the following schedules:

Level	Date	Venue	Time
Elementary Level	January 18, 2018	Bagong Buhay E ES	7:30 AM
Junior HS Level	January 19, 2018	Kaypian Nat'l HS	7:30 AM

2. The overall objective of this activity is to contribute in improving the quality of mathematics education in the Philippines. Specifically it aims to:
- awaken greater interest in Mathematics among students from both public and private schools;
  - encourage students to strive for excellence in Mathematics;
  - encourage mastery of basic mathematical skills;
  - discover mathematical talents among the students;
  - develop the values of hard work, perseverance, honesty, teamwork, and sportsmanship; and
  - provide them with opportunities in leadership and cooperative undertaking.
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 17<sup>th</sup> 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.

## QUALIFICATIONS

### A. Eliminations:

**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.

For NCR, Grades 1 – 5 and 7 to 9 are allowed **four (4)** students per grade level while Grades 6 and 10 are allowed **three (3) students** each school, as practiced in the past years.

### B. Division Finals:

**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 ( ) for details.

## HOW TO JOIN

- ALL public and private schools outside NCR** must accomplish a one-page registration form 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 **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 **November 17, 2017**.
- ALL public and private schools in NCR** must accomplish an **online registration** via the MMC portal: <http://onlineportal.metrobankmathchallenge.com> on or before **November 17, 2017**.
- The concerned DepEd Division Math Supervisors shall then accomplish and submit the summary of participants ( ) via the MMC online portal indicating the testing centers and the number of participants. Instructions will be provided to all DepEd Divisions ( ).
- The accomplished **MMC Form No. 2** must be encoded and submitted on or before **November 24, 2017**.

## WHERE TO GET THE FORMS

Registration forms (MMC Form No.1) are available at the Metrobank Foundation office, all Metrobank Branches, and DepEd Division and Regional offices. You may also download at the Metrobank Foundation website at

starting **November 2017** or through the official Facebook page of MMC at [www.fb.com/MetrobankMathChallenge](http://www.fb.com/MetrobankMathChallenge).

**C. Regional Finals:**

▪ **Individual Competition:**

▪ **Team Competition:**

**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

**A. Elimination Stage**

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

- ❖ 1<sup>st</sup> Honors: for those who get 90% correct answers
- ❖ 2<sup>nd</sup> Honors: for those who get 80% correct answers
- ❖ 3<sup>rd</sup> Honors: for those who get 70% correct answers

**B. Division Finals**

- ❖ 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**

- ❖ Medals and cash prizes for the top 3 individual winners and members of the top 3 winning teams per level:

**Grade 6**

- 1<sup>st</sup> Place – P4,000.00
- 2<sup>nd</sup> Place – P3,000.00
- 3<sup>rd</sup> Place – P2,000.00

**Grade 10**

- 1<sup>st</sup> Place – P6,000.00
- 2<sup>nd</sup> Place – P5,000.00
- 3<sup>rd</sup> 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**

- ❖ Medals and cash prizes for the top 3 individual winners and the members of the top 3 winning teams per level:

**Grade 6**

- 1<sup>st</sup> Place – P25,000.00
- 2<sup>nd</sup> Place – P20,000.00
- 3<sup>rd</sup> Place – P15,000.00

**Grade 10**

- 1<sup>st</sup> Place – P50,000.00
- 2<sup>nd</sup> Place – P40,000.00
- 3<sup>rd</sup> 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

Elimination Rounds:  
Grades 1 to 6; Grades 7  
to 10 (Written Exam)

Regional Finals:  
Grade 6 and Grade 10  
(Written Exam)

National Finals:  
Grade 6 and Grade 10  
(Written and Oral Exam)

### B. TEAM COMPETITION

Elimination Rounds:  
Grades 1 to 6; Grades 7  
to 10 (Written Exam)

Division Finals:  
Grades 1 to 6; Grades 7  
to 10 (Oral Exam)

Regional Finals:  
Grade 6 and Grade 10  
(Oral Exam)

National Finals:  
Grade 6 and Grade 10  
(Oral Exam)

**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, 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**, 2017

Deadline for Submission of MMC Form No. 1 (Registration Form of Public and Private Schools to be submitted to respective DepEd Division Office, and online registration for schools in NCR)

January **11 and 12**, 2018

Elimination Round for Elementary Level (January 11) and Junior High School Level (January 12)

February **26**, 2018

Regional Finals

### FOR MORE DETAILS



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/MetrobankMathChallenge

## COMPETITION SCHEDULE

November **24**, 2017

Deadline for Online Submission of MMC Form No. 2 (DepEd Division Math Supervisors to Submit Summary of Total Participating Students per Grade Levels via the MMC online portal)

February **1 and 2**, 2018

Division Team Finals for Elementary (February 1) and Junior High School Level (February 2)

March **23**, 2018

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

March **24**, 2018

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



## NEW COMPETITION SCHEDULE

**January 18 – 19, 2018 : Elimination Rounds**

**February 8 – 9, 2018 : Division Finals**

**March 2, 2018: Regional Finals**

**March 23 – 24, 2018: National Finals**



#2018MMC



MMC (Metrobank-MTAP-DepEd Math Challenge) ...

Tagged January 9, 2018

GOOD NEWS! We're giving you more time to prepare for the Elimination Rounds. Check out the newest schedule of the #2018MMC! Tag your friends to share the news! Yey!

The DepEd Memo will be released tentatively by Wednesday, next week! Visit the website of the DepEd Philippines for your copy. Thank you, mathletes! ... with Melody De Arao Morales, Catrina Mae Malinay Agustin, Lance Dean de Jesus and 47 others

**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 (Elementary)					
Number of Pupils	3	3	3	3	3	3
<b>Total</b>	<b>18</b>					

Example:	School A (Junior High School)			
Number of Pupils	3	3	3	3
<b>Total</b>	<b>12</b>			

Note: For NCR, four (4) student contestants will compete for Grades 1 to 5 and Grades 7 to 9, while for Grades 6 and 10 only three (3) students per school will compete.

4. All participating public and private schools outside NCR are required to accomplish a one-page Registration Form a photocopy of which should be sent directly to the DepEd Division Math Supervisor in-charge on or before **November 17, 2017**.
5. The School contestants and their respective coaches must present the original copy of MMC Form No. 1 to the registration in-charge together with their identification cards during the Elimination Round on **January 11, 2018** (Elementary) or **January 12, 2018** (Junior High School). This serves as permit in joining the competition. **"No permit, No Entry"** policy shall be implemented.
6. **ALL public and private schools in NCR** must accomplish an online registration via the MMC portal: <http://onlineportal.metrobankmathchallenge.com> on or before **November 17, 2017**.
7. The DepEd Division Math Supervisors shall then collate all MMC Form No. 1 submissions and accomplish the summary of participants **ONLINE** indicating the testing centers and the total number of students per grade per testing center through an **MMC online portal** on or before **November 24, 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 **January 11-12, 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 10, 2018** for Elementary and **January 11, 2018** for Junior High School.
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.  
Suppose Division A has 20 participating schools. Then, there will be  $20 \times 3$  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 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.

16. **The Elimination Round should be held simultaneously in all regions nationwide on January 11-12, 2018 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. \_\_\_\_\_ 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 15, 2018.**

19. Announcement of results of the elimination round should be formalized through the issuance 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

**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 **ONLINE** through the **MMC online portal** on or before **January 15, 2018**. Delay in the submission will cause delay in sending the test materials.

24. 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 <sup>st</sup> Honors	For those who get <b>27</b> or more correct answers	For those who get <b>36</b> or more correct answers	For those who get <b>45</b> or more correct answers



2 <sup>nd</sup> Honors	For those who get <b>24 to 26</b> correct answers	For those who get <b>32 to 35</b> correct answers	For those who get <b>40 to 44</b> correct answers
3 <sup>rd</sup> Honors	For those who get <b>21 to 23</b> correct answers	For those who get <b>28 to 31</b> correct answers	For those who get <b>35 to 39</b> 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%.

## 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 **November 17, 2017**. Upon registration on the actual date of the elimination rounds, they should present the original copy of MMC Form 1 and contestants shall be assigned their testing rooms.
3. **For NCR schools, ALL public and private schools** must accomplish an online registration via the MMC portal: <http://onlineportal.metrobankmathchallenge.com> on or before **November 17, 2017**.
4. 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.
5. Contestants are NOT allowed to bring cellphone, ipad, ipod, camera, calculator, laptop computer, and other gadgets inside the testing room.
6. 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.
7. 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.
8. 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.
9. 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

10. 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.

11. The proctor shall give all papers (answered test papers, scratch papers, extra copies of questions) to the person in-charge of assigning the checkers.
12. 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.
13. 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.
14. 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 \_\_\_\_\_ in \_\_\_\_\_ are as follows:

**Efren: 32**

**Rosa:35    Jose: 38**

- The score of \_\_\_\_\_ will be  $35 + 38 = 73$ . The \_\_\_\_\_ team from **School A** will be composed of **Jose** and **Rosa**.
- Assuming \_\_\_\_\_ qualifies to compete in the **Division Team Finals**, \_\_\_\_\_ 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.**