



**Tanggapan ng Kalihim**  
Office of the Secretary

DEC 16 2004

DepED MEMORANDUM  
No. 475, s. 2004

**THE 2005 METROBANK-MTAP-DEPED MATH CHALLENGE**

To: Bureau Directors  
Regional Directors  
Schools Division/City Superintendents  
Heads, National/Regional Private Schools Organizations  
Heads, Public and Private Elementary and Secondary Schools

1. The Metrobank Foundation, Inc. (MBFI), the Mathematics Teachers Association of the Philippines (MTAP), and the Department of Education (DepED) announce the holding of the 2005 Metrobank-MTAP-DepED Math Challenge from January to March 2005 with the theme *"Moving Forward Through Excellence in Mathematics."*

2. The overall objective of the competition 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 high school students in both private and public 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 hardwork, perseverance, honesty, teamwork, and sportsmanship; and
- f. provide students with opportunities in leadership and cooperative undertaking.

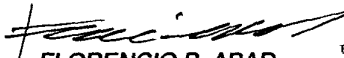
2. The elimination and division level competition will be participated in by all elementary school pupils and high school students nationwide. However, only Grade VI pupils and Fourth Year students shall participate in the regional and national levels.

3. The participating parties shall determine expenses from the elimination round to the regional level competition. Private school participants shall make necessary arrangements for their expenses with their school heads. At the national level, 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 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.

4. The contest mechanics/guidelines of the competition are contained in the enclosures. Separate guidelines will be issued for the National Capital Region (NCR) competition.

5. Immediate dissemination of this Memorandum is desired.

  
FLORENCIO B. ABAD  
Secretary

Encls.:  
As stated

Reference:  
DepED Memorandum: No. 460, s. 2003

Allotment: 1—(D.O. 50-97)

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

CONTESTS  
Learning Area, MATHEMATICS  
PUPILS  
SCHOOLS  
STUDENTS

Madel:c:math challenge  
11-19-04



## 2005 METROBANK-MTAP-DEPED MATH CHALLENGE

*"Moving Forward Through Excellence in Mathematics"*

### GUIDELINES

*Revised as of November 2004*

#### **NATURE OF THE CONTEST**

The Metrobank-MTAP-DepEd Math Challenge is a Math contest for elementary and secondary students in both public and private schools nationwide. It is sponsored by the Metrobank Foundation, Inc. (MBFI) and conducted by the Mathematics Teachers Association of the Philippines (MTAP) and the Department of Education (DepEd).

#### **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:

1. To awaken greater interest in Mathematics among elementary and secondary students in both public and private schools all over the country;
2. To encourage students to strive for excellence in Mathematics;
3. To encourage mastery of basic mathematical skills;
4. To discover mathematical talents among the students;
5. To develop the values of hardwork, perseverance, honesty, teamwork and sportsmanship; and
6. To provide students with opportunities in leadership and cooperative undertaking.

#### **QUALIFICATION OF CONTESTANTS**

**For the elementary level:** Bonafide students enrolled in Grades I to VI in any public or private school in all regions of the Philippines, as certified by the principal of the school.

**For the secondary level:** Bonafide secondary students enrolled in Years I to IV in any public or private school in all regions of the country, as duly certified by the principal or registrar of the school, including those from state colleges and universities.

Contestants must be actually enrolled in the grade/year level they are competing. In no instance mixed grade/year level participation in team competition shall be allowed.

#### **TEST COVERAGE**

The topics in the 2004 Basic Education Curriculum for Elementary and Secondary, per grade/year level, shall be the basis of the test coverage.

#### **HOW TO JOIN**

**For public schools,** concerned principals are required to report to the Division Math Supervisor the total number of contestants per grade/year level representing their respective schools, in a manner agreed upon in the Division.

**For private schools,** participating schools are required to accomplish a one-page registration form (*MMC Form 01*) duly certified by the principal/registrar, which indicates the school's official contestants and coaches/trainers per grade/year level. The accomplished form should be sent directly to the DepEd Division Math Supervisor In-charge where the school is located, on or before December 15, 2004.

Three students per grade/year level shall represent each school, for both public and private, in the elimination round.

The concerned DepEd Division Math Supervisors shall then accomplish the summary of participants (*MMC Form 02*) which indicates the testing centers and the total number of students per grade/year per testing center. The accomplished form must be submitted to MTAP on or before December 17, 2004 through fax no. (02) 912-5249. Failure to submit may cause delay in sending the test questionnaires and conduct of the elimination round, which is scheduled on *January 21-22, 2005*.

#### **WHERE TO GET THE REGISTRATION FORMS**

Registration forms are now available at the Metrobank Foundation, Inc., all Metrobank and PSBank Branches, and division offices of the Department of Education. The forms may also be downloaded at the Metrobank Foundation website at <http://www.mbfoundation.org.ph>

#### **PROGRAM IMPLEMENTATION**

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 thus, be involved in all aspects and phases of the competition including supervision of the National Finals and Awarding Ceremonies.

The MTAP shall prepare the test questionnaires for the Elimination Rounds, Division Finals and the Regional Finals; and 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.

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.

#### **HURDLE RATES**

- A. **Division Finals** - To enable a team to win any of the prizes at stake, i.e. 1<sup>st</sup> prize, 2<sup>nd</sup> prize, 3<sup>rd</sup> prize, they must meet a score of at least 25 points out of a perfect score of 60 points.
- B. **Regional Finals** - To enable a team or individual contestant to win any of the prizes at stake, i.e. 1<sup>st</sup> prize, 2<sup>nd</sup> prize, 3<sup>rd</sup> prize, they must meet a score of at least 25 points out of a perfect score of 60 points.
- C. **National Finals** - To enable a team or individual first place winner in the Regional Finals to qualify to the National Finals, they must meet the "hurdle rate" established by the National Steering Committee, which is 40 points out of a perfect score of 60 points.

#### **PRIZES AND AWARDS**

##### **I. Elimination Stage (Grades 1 to 6; 1<sup>st</sup> to 4<sup>th</sup> Years)**

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

- ❖ 1<sup>st</sup> Honors: for those who get 45 or more correct answers
- ❖ 2<sup>nd</sup> Honors: for those who get 40 – 44 correct answers
- ❖ 3<sup>rd</sup> Honors: for those who get 35 – 39 correct answers

##### **II. Division Finals (Grades 1 to 6; 1<sup>st</sup> to 4<sup>th</sup> Years)**

- ❖ Medals for the top 3 winning teams per grade/year level, provided they obtained the required "hurdle rate"
- ❖ Certificates of recognition 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

**Regional Finals (Grade 6 and 4<sup>th</sup> Year)**

- ❖ Medals and cash prizes for the top 3 individual winners and members of the top 3 winning teams per level, provided they obtained the required "hurdle rate"
- ❖ Certificate 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

**IV. National Finals (Grade 6 and 4<sup>th</sup> Year)**

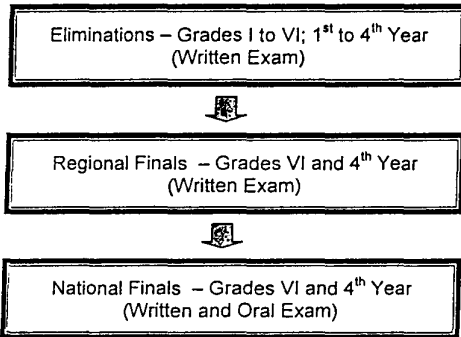
- ❖ Medals and cash prizes for the top 3 individual winners and the members of the top 3 winning teams per level
- ❖ Trophies for the schools of the top 3 winning teams per level
- ❖ Certificates of recognition for all coaches/trainors
- ❖ Certificate of recognition for all National Finalists

**INCENTIVES FOR COACHES**

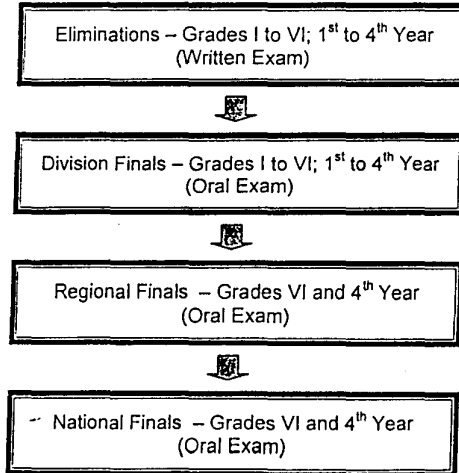
Coaches in the Regional and National Finals will each be given cash allowance. However, in case the coach of individual contestant is also the coach of the team, he/she will receive cash allowance only once.

**STAGES OF THE CONTEST**

**A. INDIVIDUAL COMPETITION**



**B. TEAM COMPETITION**



**OF CONTEST ACTIVITIES**

MOA Signing and Launching	<b>November 8, 2004</b>	DepEd Central Office
Deadline for Submission of Applications to Division Math Supervisors: (a) Registration Forms for private schools (b) Total number of students per grade/year level for public schools	<b>December 15, 2004 (Provincial)</b>	DepEd Division Offices
Deadline for Division Supervisors to Submit Summary of Total Participating Students per Grade/Year Levels to MTAP	<b>December 17, 2004</b>	MTAP office
Eliminations	<b>January 21, 2005 (Elementary) January 22, 2005 (Secondary)</b>	Venue to be determined by DepEd Division Math Supervisors
Division Team Finals	<b>February 25, 2005 (Elementary) February 26, 2005 (Secondary)</b>	
Regional Finals: Individual (Written Exam) and Team (Orals)	<b>March 11, 2005</b>	
National Individual Finals (Written Exam)	<b>April 8, 2005</b>	Venue to be determined by MTAP
National Finals (Individual and Team Orals)	<b>April 9, 2005</b>	Metro Manila (Metrobank Plaza Auditorium)
Awarding Ceremonies	<b>April 9, 2005</b>	

**FOR MORE DETAILS:**

Write or call Sr. Iluminada C. Coronel, f.m.m., President, Mathematics Teachers Association of the Philippines (MTAP), at the Stella Mariz College, Cambridge St., Cubao, Quezon City with telefax no. (02) 912-5249 or e-mail at [icoronel@mtaphils.com](mailto:icoronel@mtaphils.com) / [foundation@metrobank.com.ph](mailto:foundation@metrobank.com.ph) or call the DepEd Math Supervisor in your locality.



# 2005 METROBANK - MTAP - DepEd

MAKING THE MATH CHALLENGE

"Moving Forward Through Excellence in Mathematics"

## Contest Mechanics

(Revised as of November 2004)

### I. Qualifications of the Participants:

**For the Elementary Level:** Bonafide students enrolled in Grades I to VI in any private or public school in all regions of the Philippines, as certified by the principal of the school.

**For the Secondary Level:** Bonafide secondary students enrolled in Years I to IV in any private or public school in all regions of the country, as duly certified by the principal or registrar of the school, including those from state colleges and universities.

### II. Stages of the Competition

#### A. SCHOOL LEVEL: (Grades 1 to 6; 1st Year to 4th Year)

1. Have a competition using a school prepared test by grade/year level.
2. Choose the top 3 students per grade/year level to represent the school in the Elimination Round. (Note that the elimination round is for ALL interested schools and not only for chosen schools in the division).
3. There shall be a maximum of (18) pupils for Elementary and/or (12) pupils for Secondary in every participating school, broken down as follows.

Example:	School A						School A			
Grade/Year	1	2	3	4	5	6	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
No. of Pupils	3	3	3	3	3	3	3	3	3	3

4. All participating private schools are required to accomplish a one-page **Registration Form (MMC Form 01)**, which should be sent directly to the DepEd Division Math Supervisor in-charge on or before December 15, 2004. For the public school, the number of contestants will be communicated to the Division Math Supervisor by the concerned principals in a manner agreed upon in the Division.

#### B. DIVISION LEVEL

##### B.1. ELIMINATION ROUNDS: (Grades 1 to 6; 1st Year to 4th Year)

5. **Conduct of the competition:** Please refer to **Mechanics for the Elimination Rounds (MMC Document No. 3)**.
6. All selected students per grade/year in a school shall take a written test in a place or center designated by the Division. The test materials shall be prepared by MTAP and transmitted through the Metrobank branch in the Division. The concerned Branch Manager shall then be asked to turn-over the questionnaires personally to the Division Math Supervisor at least a day before the Elimination Rounds.
7. In case the number of questionnaires sent is not enough, only the District/Division Math Supervisor in-charge may photocopy the questionnaires. This provision will be included in the memo/advisories issued to the Supervisors to avoid leakage.

**Note:** A division may have one or more testing centers depending on the distances 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 secondary, 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 Grade 1 pupils to take the test, 60 for Grade 2, ....up to Grade 6 or a total of 360 pupils 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.

8. The test papers will be corrected using the key provided.
9. The top individual scorer of the whole Division (**one each from Grade 6 and 4th year**) qualifies to compete at the **Regional Individual Finals**.
10. 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 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.

11. The school scores of the whole division per grade/year shall be ranked from highest to lowest.
12. The top 6 to 20 highest scoring schools qualify to participate in the **Division Team Finals** competition. There shall be no cut-off score.

Number of Participating Schools	Number of Teams to Qualify in the Division Finals
15 schools or fewer	6
16-20	8
21-25	10
26-30	12
31-35	14
36-40	16
41-45	18
46 or more	20

**Note:** 20 is the maximum number of teams because experience indicates that it is the maximum number manageable for an oral team competition.

13. Certificates of Merit shall be awarded to students from Grades 1 to 6 and 1st to 4th Years who qualify under the following conditions:

**First Honors:** for those who get **45** or more correct answers;  
**Second Honors:** for those who get **40 - 44** correct answers;  
**Third Honors:** for those who get **35 - 39** correct answers.

**B.2. DIVISION TEAM COMPETITION: (Grades 1 to 6; 1st Year to 4th Year)**

14. **Test-Type: Written-Oral contest**, test materials shall be prepared by MTAP and transmitted through the Metrobank branch in the Division. The concerned Branch Manager shall then be asked to turn-over the questionnaires personally to the Division Math Supervisor at least a day before the Division Finals.



15. **Conduct of the Competition:** Please refer to **Mechanics of Oral Competition (MMC Document No. 5)**, which will be sent to Division Math Supervisors together with the questionnaires for the Elimination Round.

16. It is desirable that the orals for the different grade/year levels follow one after the other. However, if the testing center has enough venues and proctors and judges, the competition of two grade/year levels may run simultaneously.

17. Medals will be awarded to the members of the top 3 winning teams per grade/year level. However, to enable a team to win any of the prizes at stake, i.e. 1<sup>st</sup> prize, 2<sup>nd</sup> prize, 3<sup>rd</sup> prize, they must meet a score of at least 25 points out of a perfect score of 60 points.

**Example:** Suppose the top 3 teams of Division A have the following scores: School A = (37); School B = (28); School C = (23). So, School A will be awarded gold medals and School B, the silver medals. The bronze medals will not be awarded, since the score of School C is less than (25).

18. Certificate of recognition shall be given for each member of the top 3 winning teams per grade/year level regardless of their scores.

19. First place winners in Grade 6 and 4th Year Secondary are qualified to compete in the **Regional Team Finals** provided they meet the hurdle rate of 25 points.

20. Certificates of Recognition will be awarded to the schools of the winning teams. Certificates of appreciation will be given to all coaches and staff members of the competition.

21. All non-winning contestants will be given certificates of merit.

22. The Metrobank Foundation will provide the medals while MTAP the certificates.

## C. REGIONAL FINALS

### C.1. INDIVIDUAL COMPETITION: (Grade 6 and 4th Year only)

23. For this test, the contestants must use their code numbers given to them at the registration.

24. An MTAP representative will assist in facilitating this stage of the contest, both in the individual and team competition. He/She shall bring the questionnaires on the date of the contest.

25. **Test-Type:** Written - The test will consist 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.

26. The contestants will be given 1.5 hours to answer the test.

27. Partial credit will be given to answers in Parts II and III.

28. 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.

29. The top three scorers are declared winners and awarded medals and cash prizes, provided they obtained the required "hurdle rate" of 25 points out of a perfect score of 60 points. However, regardless of their scores, they will receive certificates of recognition.

30. The first place individual winners in Grade 6 and 4th Year qualify for the **National Individual Finals**, provided that they get at least 40 points out of a perfect score of 60 points.

31. Certificates of merit will be given to all non-winning Regional Finalists and certificates of recognition for all trainers/coaches.

**C.2 TEAM COMPETITION: (Grade 6 and 4th Year only)**

32. Test-Type: Written-Oral

33. **Conduct of the Competition:** Please refer to **Mechanics of Oral Competition (MMC Document No. 5)**. The mechanics are the same as that of the Division Finals.

34. The top 3 teams will be declared winners and awarded medals and cash prizes, provided they obtained the required "hurdle rate" of 25 points out of a perfect score of 60 points. However, regardless of their scores, they will receive certificates of recognition.

35. Coaches of both individual and team competition shall be given cash allowance. *However, should both the individual and team contestants come from the same school, only one cash allowance for coach shall be given per grade/year level.*

36. First Place Team winners in Grade 6 and 4th Year qualify for the **National Team Finals**, provided that they get at least 40 points out of a perfect score of 60 points.

37. Trophies will be awarded to the schools of the winning teams, provided their contestants obtained the required "hurdle rate" of 25 points out of a perfect score of 60 points. Certificates of recognition will be given to all coaches and staff members.

38. All non-winning Regional Finalists will be given certificates of merit.

39. The Metrobank Foundation will provide the medals while MTAP the certificates.

**D. NATIONAL FINALS**

*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.*

**D.1. INDIVIDUAL COMPETITION: (Grade 6 and 4th Year)**

40. The individual contestants will undergo both the written and oral competition.

41. The final score of each individual contestant will be 60% of written score + 40% of the oral score.

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

**D.2. TEAM COMPETITION: (Grade 6 and 4th Year)**

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

44. The top three teams will be declared winners.

**IV. Test Coverage**

The topics in the 2004 BEC Curriculum for Elementary and Secondary, per grade/year level, shall be the basis of the coverage. Insightful application of the same topics will be included.

**MBFI-DEPED COORDINATION MEETING AND MOA SIGNING ON THE  
METROBANK FOUNDATION SEARCH FOR OUTSTANDING TEACHERS 2005  
AND THE 2005 METROBANK-MTAP-DEPED MATH CHALLENGE**

*November 8, 2004, 3:00 P.M.  
OSEC Conference Room, DepEd*

**FLOW**

**I INTRODUCTIONS**

**II MOA SIGNING PROPER**

**A. Metrobank Foundation Search for Outstanding Teachers 2005**

Signatories: **Mr. Florencio B. Abad**  
*Secretary, Department of Education*

**Dr. Placido L. Mapa, Jr.**  
*President, Metrobank Foundation, Inc.*

**Mrs. Elvira Ong-Chan**  
*Executive Vice-President, Metrobank Foundation, Inc.*

Witnesses: **Dr. Fe A. Hidalgo**  
*Undersecretary, Department of Education*

**Mr. Nicanor L. Torres, Jr.**  
*Assistant Executive Director, Metrobank Foundation, Inc.*

Note: Photo opportunity to follow after the MOA signing.

**B. 2005 Metrobank-MTAP-DepEd Math Challenge**

Signatories: **Mr. Florencio B. Abad**

**Sr. Iluminada C. Coronel, f.m.m.**  
*President, Mathematics Teachers Association of the Phils.*

**Dr. Placido L. Mapa, Jr.**

**Mrs. Elvira Ong-Chan**

Witnesses: **Dr. Fe A. Hidalgo**  
*Undersecretary, Department of Education*

**Dr. Soledad Jose-Dilao**  
*Treasurer, Mathematics Teachers Association of the Phils.*

**Mr. Nicanor L. Torres, Jr.**

Note: Photo opportunity to follow after the MOA signing.

**III STATEMENTS FROM:**

- A. Metrobank Foundation, Inc. - **Dr. Placido L. Mapa, Jr.**
- B. Department of Education - **Mr. Florencio B. Abad**
- C. MTAP - **Sr. Iluminada C. Coronel, f.m.m.**

**IV PRESS CONFERENCE/OPEN FORUM**



## 2005 METROBANK - MTAP - DepEd

Division - Elimination Round

"Moving Forward through excellence in Mathematics"

MATHS FORM 01

### Registration Form

(For Private Schools Only)

DepEd Division \_\_\_\_\_ Region \_\_\_\_\_

Name of School \_\_\_\_\_ Telephone No. \_\_\_\_\_

Schools Address \_\_\_\_\_

Contact Person \_\_\_\_\_ Position \_\_\_\_\_ Tel/Fax No. \_\_\_\_\_

Grade/Year Level	
Contestant #1:	
Contestant #2:	
Contestant #3:	
Coach/Trainer:	

Grade/Year Level	
Contestant #1:	
Contestant #2:	
Contestant #3:	
Coach/Trainer:	

Grade/Year Level	
Contestant #1:	
Contestant #2:	
Contestant #3:	
Coach/Trainer:	

Grade/Year Level	
Contestant #1:	
Contestant #2:	
Contestant #3:	
Coach/Trainer:	

Grade/Year Level	
Contestant #1:	
Contestant #2:	
Contestant #3:	
Coach/Trainer:	

Grade/Year Level	
Contestant #1:	
Contestant #2:	
Contestant #3:	
Coach/Trainer:	

I hereby certify that the above contestants are bonafide students of our school.

\_\_\_\_\_ Date

\_\_\_\_\_ Principal/Registrar  
(Signature over printed name)

#### IMPORTANT:

- Submit this registration form to the Division Supervisor where your school is located **on or before December 15, 2004.**
- Competition venues will be determined by the DepEd Division Math Supervisor, please inquire from them before the Elimination Round, which is scheduled on **January 21, 2005 (elementary) and January 22, 2005 (secondary).**
- This form may be photocopied as needed.

#### FOR MORE DETAILS:

Write or call Sr. Iluminada C. Coronel, f.m.m., President, Mathematics Teachers Association of the Philippines (MTAP), at the Stella Mariz College, Cambridge St., Cubao, Quezon City with tel. no. (02) 912-5249, e-mail at [icoronel@mtaphils.com](mailto:icoronel@mtaphils.com) or the DepEd Math Supervisor in your locality.