



Republic of the Philippines
DEPARTMENT OF EDUCATION
Region IX, Zamboanga Peninsula
SCHOOLS DIVISION OF ZAMBOANGA DEL NORTE
Capitol Drive, Estaka, Dipolog City



Memorandum

To: Public Schools District Supervisors
Principals In-Charge of the District
Public and Private Secondary School Principals
Public and Private Secondary School Heads
Secondary Math Coordinators
Secondary Math Coaches

From: **Pedro Melchor M. Natividad, CSEE**
Officer In-Charge
Office of the Schools Division Superintendent

Subject: Conduct of 2017 Division Mathematics Olympiad and Damath Competition

Date: September 15, 2017

1. In line with the conduct of the Regional Mathematics Olympiad 2017 comes October 24, 2017, this division will be holding its Division Mathematics Olympiad and Damath Competition on October 14, 2017 at Sindangan Pilot Demonstration School, Sindangan, Zamboanga del Norte which will be participated by all Secondary Schools may it be in the Annexes, Extensions and Main Schools of this division.
2. Relative to this activity, the following secondary teachers are assigned to take charge of the different committees presented during the initiated pre-planning conference on August 25, 2017, viz;

Committee on Registration/Sound System/Stage Decoration:

Chairperson: Mr. Paciano E. Recabo – Sindangan NHS
Members : Sindangan NHS Mathematics Teachers

Committee on Hall/Room Accommodation:

Chairperson: Mr. Noh D. Sappal – Bartolome Lira Sr. NHS
Members : Sindangan NAS Mathematics Teachers

Committee on Program: (Opening and Awarding Ceremony)

Chairperson: Ms. Arlene T. Ordeniza – Sindangan NAS
Members : Sindangan NAS Mathematics Teachers

Committee on Certificates and Awards:

Chairperson: Ms. Marlene J. Cagbabanua – Polanco NHS
Vice-Chairperson: Ms. Juvy L. Jarapan – Piñan NHS
Members : Polanco NHS Mathematics Teachers

Proctors, Examiners, Correctors and Arbiters In-Charge:

Chairperson: Ms. Mercedita E. Gahisan – Sergio Osmeña NHS
Vice-Chairperson: Ms. Marissa P. Amamangpang – La Libertad NHS
Member : Mr. Dionisio G. Ganob, Jr. – Silawe NHS

Quiz Master:

Ms. Analiza B. Corpuz – Sergio Osmeña NHS

DAMATH In-Charge:

Chairperson: Mr. Primo Dionaldo – Langatian NHS

Vice-Chairperson: Mr. Zosimo A. Dionaldo – Manukan NHS

Medals In-Charge:

Chairperson: Mr. Eddie L. Ontolan – Sibutad NHS

3. All contestants in the **Team Competition** shall bring their own **Show Me Board** while for the **DAMATH Competition**, each contestant shall bring their own **DAMATH Board and Chips**. For the **Mathematics Quiz** individual category, only one (1) contestant is required for every grade level (Grade 7 – 10) regardless of the number of programs in your school.

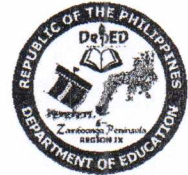
4. To be guided on the day of the competition, registration of the contestants will be at 6:30 AM to 7:30 AM and look for Mr. Paciano E. Recabo. Opening program will commence at 8:00 AM then the contest proper will follow afterwards at exactly 9:00 AM.

5. Attached are the guidelines on the conduct of Math Quiz and DAMATH competition prescribed by the Regional Office through Mr. Lucman L. Manupac, EPS, Region IX Math Supervisor for your proper guidance and compliance.

6. Travelling expenses, accommodation and meals of the contestants and all teachers/coaches participating the competition shall be chargeable against School MOOE while Division personnel shall be chargeable against Division Funds subject to the usual accounting rules and regulations.

7. Wide dissemination of this Memorandum is hereby desired for your proper guidance and compliance.


PEDRO MELCHOR M. NATIVIDAD, CSEE
Schools Division Superintendent 



ENCLOSURE 3 of Regional Memorandum No. _____, s. 2017, dated June 27, 2017

REGIONAL MATHEMATICS OLYMPIAD 2017

A. GUIDELINES ON THE CONDUCT OF MATH QUIZ

1. It is recommended for schools to conduct their mini-competition using a written exam by grade level to determine the best candidates who will join the Regional Mathematics Olympiad. The top pupil/student per grade level who will obtain the highest scores will represent the school in the Elimination Round to be conducted by the Schools Division Offices.
2. Division Mathematics Supervisors shall be in-charge of the preparation, implementation and documentation of the Elimination and Schools Division Finals Competition.

Note: The elimination round (Division Level) is open to all interested schools, both private and public schools.

3. For the Regional Finals, the Regional Mathematics supervisor shall be in-charge of the preparation, implementation and documentation of the Regional Finals, including the preparation of programs, 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.
4. Expenses relative to the conduct of the said activity including board and lodging, travelling expenses of the participants/contestants / coaches to the Regional Mathematics Olympiads 2017 shall be charged against Division/School MOOE/LOCAL Fund, subject to the usual accounting and auditing rules and procedures.
5. **Mathematics Quiz** is to be conducted in two (2) categories, Individual Competition Category and Team Competition Category on October 24, 2017 at R-NEAP, DepEd, Region IX, Airport Road, Tiguma, Pagadian City.

Events	Grade Level
A. Mathematics Quiz - Individual Category	Grades 1-6 } One (1) contestant per grade level Grades 7-10 }
B. Mathematics Quiz - Team Competition	Grade 6 only } Two (2) contestants per grade level and Grade 10 only }

Note: ONLY THE **FIRST PLACER** in the Division Level will be brought to Regional Level.

A. Regional Individual Competition Category (Grades 1 to Grade 10)

- Individual category for Math Quiz is a written examination. This will be in three (3) rounds; easy, average and difficult.

1 st Round – 15 Easy Questions	2 point per correct answer	20 minutes
2 nd Round – 5 Average Questions	3 points per correct answer	15 minutes
3 rd Round – 3 Difficult Questions	5 points per correct answer	10 minutes

- In case of a tie, a set of three (3) questions will be given to break the tie, one from each category of questions. If the tie is not broken after the three (3) questions, "do or die" questions will be given.
- For the Easy Questions and Average Questions, options are given wherein the contestant will choose the best answer to each question.
- For the Difficult Questions, options are not provided. The contestants will solve and give the correct answer to the questions.
- An answer must be given 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.
- The scores will be added according to their total scores in the three parts/rounds to determine the winner (The highest total scores).
- For Complaints or Clarifications:
Only the official contestants may raise a complaint or clarification.
Complaints on a given question should be made before the next set of rounds will be conducted. This should be directed to the Chairman of the Board of Judges.
- 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.
- Top three (3) scorers will be proclaimed as 1st, 2nd and 3rd. They will be awarded with certificates and medals.
- Certificates of merit will be given to all non-winning Regional Finalists while certificates of recognition will be given to all trainers/coaches.

B. Regional Team Competition:

(Grades 6 and Grade 10 only, 2 contestants per team)

- The team competition will undergo a written-oral team competition only.
- There will be 20 questions to be exposed to the team;

10 questions	15-second per question	2 points
5 questions	30-second per question	3 points
5 questions	1-minute per question	5 points

- 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.
- For the 30-second questions, scratch paper will be provided for each team contestant. Contestants may begin solving as soon as they wish.
- For 1-minute questions, a copy of the question will be provided for each team. Scratch paper will be provided.
- 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.
- The team will be ranked according to their score in the three (3) parts to determine the winners.
- In case of a tie, a set of three (3) questions will be given to break the tie, one from each category of questions. If the tie is not broken after the three (3) questions, "do or die" questions will be given.

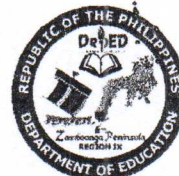
- The competition shall be conducted in a close room. For this competition, the contestants must use their code numbers given to them at the registration. . .
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Only the official contestants may raise a complaint or clarification.
Complaints on a given question should be made before the next question is asked. This should be directed to the Chairman of the Board of Judges.
- Top three (3) scorers will be proclaimed as 1st, 2nd and 3rd. They will be awarded with certificates and medals.
- Certificates of Merit will be given to all non-winning Regional Finalists while Certificates of Recognition will be given to all trainers/coaches.

Prepared by:

NOTED:

(Sgd)LUCMAN L. MANUPAC
EPS, CLMD

(Sgd) EUGENIO B. PENALES, ED.D
Chief, CLMD



B. GUIDELINES ON THE CONDUCT OF DAMATH

1. Division Mathematics Supervisors shall be in-charge of the preparation, implementation and documentation of the Elimination and Schools Division Finals Competition.

Note: The elimination round (Division Level) is open to all interested schools, both private and public schools. Only Division winners will be brought for Regional DAMATH Competition.

2. For the Regional Finals, the Regional Mathematics supervisor shall be in-charge of the preparation, implementation and documentation of the Regional Finals; including the preparation of programs, designation of judges and arbiters. He/she will also be responsible for settling all questions, including protests, which may arise in the course of the Competition.
3. **DAMATH** Competition is to be conducted on October 24, 2017 at R-NEAP, DepEd, Region IX, Airport Road, Tiguma, Pagadian City with the following categories:

DAMATH Competition									
<ul style="list-style-type: none">- Counting DAMATH- Whole DAMATH- Fraction DAMATH- Integer DAMATH- Rational DAMATH- Radical DAMATH- Polynomial DAMATH	<table><tr><td>Grades 1 or 2</td><td rowspan="7">One (1) Contestant per category</td></tr><tr><td>Grades 3 or 4</td></tr><tr><td>Grades 5 or 6</td></tr><tr><td>Grade 7</td></tr><tr><td>Grade 8</td></tr><tr><td>Grade 9</td></tr><tr><td>Grade 10</td></tr></table>	Grades 1 or 2	One (1) Contestant per category	Grades 3 or 4	Grades 5 or 6	Grade 7	Grade 8	Grade 9	Grade 10
Grades 1 or 2	One (1) Contestant per category								
Grades 3 or 4									
Grades 5 or 6									
Grade 7									
Grade 8									
Grade 9									
Grade 10									
In Summary: Elementary Level – 3 contestants Junior High School – 4 contestants	Note: Each winning contestant will bring their own DAMATH Board and chips in their category.								

4. The following are the RULES OF DAMATH:
 - a. Rules in Filipino DAMA is the primarily bases of playing DAMATH.
 - b. Set the starting position of the chips.
 - c. Toss a coin to determine which player will have the first move.

- d. Moving a chip means sliding it diagonally in the forward direction only except when taking an opponent's chip or if a "dama" chip takes an opponent's chip.
- e. The two player alternately take turns in moving a chip (pass is not allowed). A player who touches a chip ("touch move") is required to move unless it is not possible to do so. After each "move", a player has to record his or her "move" in a score sheet (Only one score sheet will be used by the two players).
- f. Each player is allotted one minute per "move" including the recording of the "move" and the corresponding score in the score sheet. In as much as taking a chip or chips is mandatory, then the one-minute per "move" does not apply in this situation. In taking an opponent's chip, the "taker" chip jumps over the "taken" chip and uses any of the four operation symbols of +, -, x, and - where the taker chip lands.
- g. A chip is declared "dama" if it stops in any of the following squares of the opposing player: (1,0), (3,0), (5,0) (7,0) Similarly, the opposing player's chip is declared "dama" if it stops in any of the following squares: (0,7), (2,7), (4,7) (6,7). A "dama" chip can slide diagonally forward or backward in any unoccupied squares as long as no opponent's chip blocks its path. It could take a chip or chips whereby its corresponding sum, difference, product or quotient is doubled. Similarly, if an ordinary chip takes an opponent's "dama" chip, its score is also doubles. Correspondingly, if a "dama" chip takes an opponent's "dama" chip, then its score is quadrupled. A "taker" chip can take one chip or more than one chips with the required option to take the greater number of chips. Between "a dama chip taking an opponent's chip" and "a chip taking opponent's chip, the former prevails. A "taker" or "taken dama" chip should be identified by encircling it in the score sheet.
- h. The game ends if the 20-minute game period lapsed; the moves are repetitive; a player has no more chips to move; an opponent's chip is cornered.
- i. The remaining chip or chips of the player are to be added to their respective scores. If the remaining chip is a "dama", then its score is also doubled.
- j. The player with the greater accumulated total score wins the game.
- k. For Complaints or Clarifications:
Only the official contestants may raise a complaint or clarification.
This should be directed to the Chairman of the Board of Judges/Arbiter
- l. Top three (3) scorers will be proclaimed as 1st, 2nd and 3rd. They will be awarded with certificates and medals.

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

Note:

Attached with are the following:

1. Copy of the DAMATH Board
2. Copy of the position of Chips
 - DAMATH Elementary Category
 - Grades I-II (Counting Damaths)
 - Grades III-IV (Whole Damaths)
 - Grades V-VI (Fraction Damaths)
 - Junior High School Category
 - Grade 7 (Integer Damaths)
 - Grade 8 (Rational Damaths)
 - Grade 9 (Radical Damaths)
 - Grade 10 (Polynomial Damaths)

Prepared by:

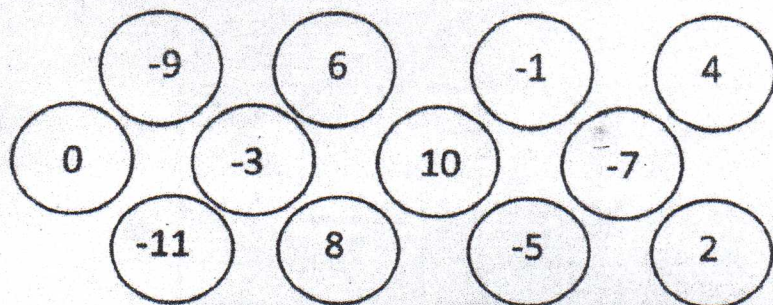
(Sgd) LUCMAN L. MANUPAC
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NOTED:

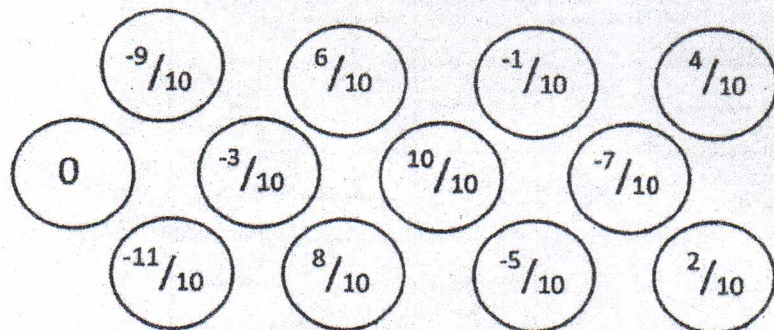
(Sgd) EUGENIO B. PENALES, ED.D
Chief, CLMD

POSITION OF CHIPS

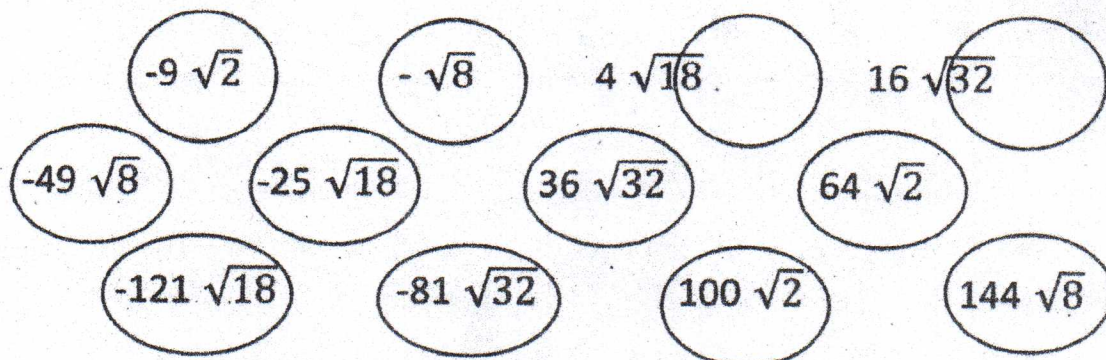
Integer (Grade 7)



Rational (Grade 8)



Radical (Grade 9)



Polynomial (Fourth Year)

