Republic of the Philippines
DEPARTMENT OF EDUCATION
Cordillera Administrative Region
SCHOOLS DIVISION OFFICE OF BENGUET
Wangal, La Trinidad, Benguet
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November 4, 2016

DIVISION MEMORANDUM
No. 218 s. 2016

Addendum to the Result of the Division Math and Science Festival

TO: Public Schools District Supervisors
Elementary and Secondary School Heads (Public and Private)
Teachers

1. The Schools Division Office would like to announce the result of the 2016 Division Math and Science Festival on **Mathematical Investigation** held at Loo Elementary and National High School, Loo, Benguet last October 12-14, 2016.

2. Mathematical Investigatory Result

A. Cluster 1 (Regular Classes)

Individual Category

Rank	Project Title	Proponent	Coach	School/District
1st	Inscribing Triangles and Squares	Maria Emmanuelle B. Mendoza	Jim D. Alberto	Ampucao National High School/ Itogon

Team Category

Rank	Project Title	Proponents	Coach	School/District
1st	Cube of Cubes	Alpha Joy L. Martin Jeremy A. Paulino Al-jaber B. Pis-oy	Jim D. Alberto	Ampucao National HS/ Itogon
2nd	Circle and Square Tiles	Kay Angely I. Pisoy Recia B. Ebancio Shehome Estlyn M. Casupang	Jim D. Alberto	Ampucao National HS/ Itogon
3rd	Finding the Roots of Perfect Squares Ending in 1	Marin Riel C. Agnasi Mival Ralf C. Agnasi Domingo Damilo Jr.	Jemael S. Angligen	Buguias National HS/ Bugias

B. Cluster 2 (Science Classes)

Individual

Rank	Project Title	Proponent	Coach	School/District
1st	Radius of the Circle a^{th} Inscribed and m^{th} Circumscribed in a Regualr n-gon Formed Continuously by Connecting the Vertex to the Midpoint of One of the Opposite side of the Previous n-gon, where n>3	Kyla Gayle T. Morales	Heather G. Bannagui	Cordillera Regional Science HS/ La Trinidad
2nd	The Area of the m^{th} Formed Region and m^{th} Inscribed n-gon by Continuously Connecting the Vertices and the Midpoints of the Adjacent Apothem of a Regular n-gon	Frazel S. Baniaga	Heather G. Bannagui	Cordillera Regional Science HS/ La Trinidad

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3rd	The Number of Isosceles Right Triangles from Inscription and Circumscription of Rhombus in a mxn Square Grid	Alfred Von C. Willy	Alvin C. Guaki	Cordillera Regional Science HS/ La Trinidad
4th	Radius of the Circle Inscribed in a Regular n-gon Formed Continuously by Connecting the Midpoints to the Vertices of the Previous n-gon	Calvin B. Mondero	Heather G. Bannagui	Cordillera Regional Science HS/ La Trinidad

Team Category

Rank	Project Title	Proponents	Coach	School/District
1st	The Perimeter of the Figure formed Upon Connecting the Apices of n Equilateral Triangles from Connecting their Bases in k Iteration	Kendrel L. Canabe Karen L. Canabe	Heather G. Banagui	Cordillera Regional Science HS/ La Trinidad
2nd	Area of the k^{th} Figure Formed when the Center of n Tangent Circles are Vertices of a Regular n-gon	Kwyn Evanne B. Verano DJ K. Esnara	Heather G. Banagui	Cordillera Regional Science HS/ La Trinidad
3rd	Ratio of the Area of the First Regular n-gon to the p^{th} Regular n-gon, where they have the same Base, m = p + n-1 and p >1	Nai Osan B. Wadwadan Katelyn Anne P. Bacasen	Heather G. Banagui	Cordillera Regional Science HS/ La Trinidad
4th	Number of the Overlapping kxk Isosceles Triangles Formed in an mxn Square Grid where m and n ≥2k	Angelica S. Agramos Ezra Avex P. Balong-angey	Heather G. Banagui	Cordillera Regional Science HS/ La Trinidad

3. Congratulations to all participants, math and science officials, the host schools and especially to all the winners.
4. Immediate dissemination of this memorandum is desired.

FEDERICO P. MARTIN, Ed.D., CESP VI
Schools Division Superintendent

Math & Science Memo 2016
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