



Republic of the Philippines
Department of Education
Region VII – CENTRAL VISAYAS
SCHOOLS DIVISION OF BOHOL

Office of the Schools Division
Superintendent

December 21, 2020

DIVISION MEMORANDUM
No. 651 s. 2020

**2021 DIVISION MATHEMATICAL INVESTIGATION
AND MATHEMATICAL MODELING COMPETITION**

To : Schools District Supervisors
Elementary and Secondary School Principals
All Other Concerned

1. This Office announces the conduct of the **Division Mathematical Investigation (MI) and Mathematical Modeling (MM) Competition** which will be held on February 3 - 5, 2021 (Elementary Level) and February 10 -12, 2021 (Secondary Level).
2. The MI-MM competition is open to all Elementary and Secondary Math Teachers.
3. The detail on the conduct of the MI-MM competition is stipulated below:

2.1 Schedule

School Level Elimination	- January 4 - 8, 2021
District Level Elimination	- January 18 - 22, 2021
Division Finals	
Elementary Level	- February 3 - 5, 2021
Secondary Level	- February 10 - 12, 2021

4. The district elimination round will be facilitated by the District Math Coordinator and the School Principals. They will act as the judges.
5. There will be three (3) winners for both MI & MM but only the top one (1) from Elementary and Secondary levels will represent the district for the Division Finals.
6. The team will submit soft and hard copies, and the Power Point Presentation. Submission of MI-MM district official entry to the SDO through the EPS in Math is on January 25 -29, 2021.



7. Division Finals will be conducted where the Division Math TWGs will act as the judges. The team will select 10 teams MI-MM qualifiers. Top 10 teams will undergo Virtual Oral Defense. Top 3 winners will be declared.
8. Attached are the criteria for judging MI-MM in the District Elimination and Division Finals.
9. Travelling and other incidental expenses incurred by the Technical Working Groups, Judges, and Contestants is chargeable against District/School MOOE and other Local Funds subject to the usual accounting rules and procedures.
10. Wide dissemination of this Memorandum is highly desired.


BIANITO A. DAGATAN EdD CESO V
Schools Division Superintendent 



CRITERIA FOR MI & MM COMPETITIONS

**CRITERIA FOR MI & MM COMPETITIONS
DOCUMENT REVIEW
(DISTRICT LEVEL)**

I. MATHEMATICAL INVESTIGATION CONTEST

1. Restatement of the Problem	10 pts
2. Presentation of Conjectures	15 pts
3. Explanation & Justification of Investigation	15 pts
4. Elaboration of Investigation	15 pts
5. Application of Investigation	15 pts
6. Summary	10 pts
7. Extensions	15 pts
8. References	5 pts
TOTAL	100 pts

II. MATHEMATICAL MODELLING

1. Restatement of the Problem	10 pts
2. Simplification of Problem	15 pts
3. The Model	15 pts
4. The Mathematics Used	15 pts
5. Application of Model	15 pts
6. Verification & Refinement of the Model	10 pts
7. Extensions	15 pts
8. References	5 pts
TOTAL	100 pts

(DIVISION LEVEL)

I. Mathematical Investigation

1. Restatement of the Problem	10 pts
2. Presentation of Conjectures	15 pts
3. Explanation & Justification of Investigation	15 pts
4. Elaboration of Investigation	15 pts
5. Application of Investigation	15 pts
6. Summary	10 pts
7. References	5 pts
8. Q & A	15 pts
Total	100 pts

II. Mathematical Modelling

1. Restatement of the Problem	10 pts
2. Simplification of Problem	10 pts
3. The Model	10 pts
4. The Mathematics Used	15 pts
5. Application of Model	15 pts
6. Verification and Refinement of Model	10 pts
7. Poster	10 pts
8. References	5 pts
9. Q & A	15 pts
Total	100 pts

