



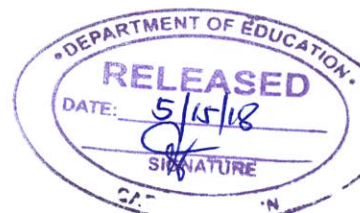
Republic of the Philippines
DEPARTMENT OF EDUCATION
Region XIII Caraga
J.P. Rosales Ave., Butuan City
Tel. No. (085) 3528207; Fax No. 3425969



May 12, 2018

REGIONAL MEMORANDUM

NO. 268, S. 2018

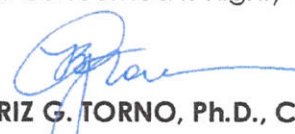
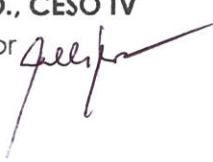


CORRIGENDUM AND ADDENDUM TO REGIONAL MEMORANDUM NO. 260, S. 2018

(Regional Training of Teachers on Critical Contents in Mathematics 4 & 8)

To: **Schools Division Superintendents**
Asst. Schools Division Superintendents
CID Chiefs
School Heads of Elementary & Secondary Schools

1. Relative to **Regional Memorandum No. 260, s. 2018**, entitled Regional Training of Teachers on Critical Contents in Mathematics 4 & 8, changes and additional provision are made in the following Enclosures:
 - **Enclosure 1** - Allocation of Participants per Schools Division Offices (SDOs) for the RTOT in Critical Contents in Mathematics 4 & 8
 - **Enclosure 3** - Composition of the Training Management Team
 - **Enclosure 4A** - Training Matrix for RTOT on Critical Content in Mathematics 4
 - **Enclosure 4B** - Training Matrix for RTOT on Critical Content in Mathematics 8
2. Assignment of topics and facilitators/trainers by Grade Level by Class is added in Enclosure No. 4A and 4B for your reference.
3. All other provisions in the abovementioned **Memorandum** remain in effect.
4. Immediate dissemination of this memorandum to all concerned is highly desired.


BEATRIZ G. TORNO, Ph.D., CESO IV
Regional Director 

Reference: RM 260, s. 2018

Enclosure: As Stated

To be indicated in the PERPETUAL INDEX under the following subjects:

TRAINING

CURRICULUM

K TO 12

CRITICAL CONTENTS

MATHEMATICS

Enclosure No. 1 to Regional Memorandum No. 268, s. 2018
(Enclosure No. 1 to Regional Memorandum No. 260, s. 2018)

**Allocation of Participants per Schools Division Offices (SDOs) for
the RTOT in Critical Contents in Mathematics 4 & 8**

Divisions	Grade 4 Mathematics Teachers	Grade 8 Mathematics Teachers
Agusan del Norte	26	30
Agusan del Sur	26	39
Bayugan City	22	10
Bislig City	22	20
Butuan City	24	25
Cabadbaran City	20	10
Dinagat Islands	23	24
Siargao	23	24
Surigao City	24	26
Surigao del Norte	26	27
Surigao del Sur	26	39
Tandag City	20	8
TOTAL	282	282

REGIONAL TRAINING OF TEACHERS (RTOT) ON CRITICAL CONTENTS IN MATHEMATICS 4 & 8

COMPOSITION OF THE TRAINING MANAGEMENT TEAM

Regional Training Management Team	Dr. Beatriz G. Torno, CESO IV, Regional Director Dr. Isidro M. Biol, Jr., Chief, CLMD Dr. Flordelisa R. Dalin, Chief, HRDD Dr. Gilbert L. Gayrama, Chief, QAD
Training Manager	Rhea J. Yparraguirre
Chief Trainer	Liwayway J. Lubang, EPS, Bayugan City Division
Mathematics- Grade 4 Trainers	1. MargieA. Cagande, Agusan del Norte 2. Rowelito Q. Damuag, Agusan del Sur 3. Romar M. Garrido, Bayugan City 4. Rex C. Apillanes, Bislig City 5. John Victor T. Tambis, Butuan City 6. Tweety D. Beray, Cabadbaran City 7. Vanessa P. Bolambot, Cabadbaran City 8. Joann S. Defante, Surigao del Sur 9. Lunaliza L. Menor, Surigao City 10. Jocelyn R. Caluban, Tandag City
Mathematics- Grade 8 Trainers	1. Jenny O. Pendica, Agusan del Sur 2. Vendy Von P. Salvan, Bayugan City 3. Emmanuel S. Saga, Bayugan City 4. Vincent Butch S. Embolode, Bayugan City 5. Karen Joy P. Omala, Bayugan City 6. Mellanie G. Tuyor, Bislig City 7. Precious Isabel V. Saludes, Butuan City 8. Alma R. Velasco, Cabadbaran City 9. Rocehelle Anna Myla A. Paronda, Surigao del Sur 10. Elan M. Elpidang, Tandag City
EPET Trainers	1. Daisy Marie L. Ligutom, Bislig City 2. Venus Bajao, Agusan del Sur 3. Carolina Curtina, Butuan City 4. Marites Penera, Siargao
QATAME	Madelyn Busio, Surigao City Division Labbeus Abarca, Surigao City Division Ronnel P. Ronquillo, Surigao City Division Becheba Prochina, Agusan del Sur
Nurses	2 Medical Personnel from Butuan City Division
Training Kits, Materials,	Mergelena R. Elorza

Program and Certificates	Melissa P. Peral
Documentation	Pedro A. Tecson, RO
ICT	1. Cesar V. Salacata, RO 2. Nerison S. Pitogo, RO
Secretariat	Reah Leah S. Cagumbay, Bayugan City

Name of Process Observers	Division	Schedule of Process Observation
Filipina L. Quitong	Agusan del Sur	May 17-22, 2018
Lemuel S. Dela Vega	Agusan del Sur	May 17-22, 2018
Nilo B. Montaña	Agusan del Sur	May 17-22, 2018
Lilibeth S. Apat	Agusan del Norte	May 17-22, 2018
Erma M. Ediong	Agusan del Sur	May 23-28, 2018
Leah M. Mallongga	Agusan del Sur	May 23-28, 2018
Annabel L. Galgo	Agusan del Sur	May 23-28, 2018
Florangel S. Arcadio	Siargao	May 23-28, 2018
Joy D. Iman	Bislig City	May 17-28, 2018
Analyn S. Comandante	Bislig City	May 17-28, 2018
Sharon Pearl O. Almucera	Bislig City	May 17-28, 2018
Mylene C. Acluba	Bislig City	May 17-28, 2018
Lalaine P. Ranes	Bislig City	May 17-28, 2018
Ma. Teresa E. Betaisar	Agusan del Sur	May 17-28, 2018

TRAINING MATRIX for Regional Training of Teachers (TOT) on Critical Contents in Mathematics Grade 4
May 17-28, 2018; Venue: Balanghail Hotel and Convention Center, Butuan City

Time	Day 1 (May 17-Thursday)	Day 2 (May 18-Friday)	Day 3 (May 19-Saturday)	Day 4 (May 20-Sunday)
5:30-6:30		Morning Fitness c/o All Regional Trainers	Morning Fitness Grade 8- Class 1	Morning Fitness Grade 8-Class 2
6:30-7:30		Breakfast	Breakfast	Breakfast
7:45 – 8:00			Management of Learning	Management of Learning
8:00- 10:00		- English Proficiency Test (Pre-Test) - Plenary Session 1: Back to the Basics: A Fundamental Grammar and Reading Concepts in the Academic Contexts	Continuation of Plenary Session 1: Back to the Basics: A Fundamental Grammar and Reading Concepts in the Academic Contexts	Mathematics Proficiency Test (Pre-Test)
10:00-12:00	Arrival and Registration of Participants c/o Technical Working Group/Secretariat	Carolina Curtina, MT-I, Butuan City Marites Penera, MT-I, Siargao	Carolina Curtina, MT-I, Butuan City Marites Penera, MT-I, Siargao	Plenary Session 3: Routine and Non-routine Problems in Mathematics ROMAR M. GARRIDO, MT-II Bayugan City Division
12:00-1:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break
1:00 P.M.-3:00 P.M.	Opening Program c/o Regional Management Team	Continuation of Plenary Session 1: Back to the Basics: A Fundamental Grammar and Reading Concepts in the Academic Contexts Carolina Curtina, MT-I, Butuan City Marites Penera, MT-I, Siargao	Plenary Session 2: English for Specific Purposes Carolina Curtina, MT-I, Butuan City Marites Penera, MT-I, Siargao	Continuation of Plenary Session 3: Routine and Non-routine Problems in Mathematics ROMAR M. GARRIDO, MT-II Bayugan City Division
3:00 P.M.-5:00 P.M.			English Proficiency Test (Post - Test) Carolina Curtina, MT-I, Butuan City Marites Penera, MT-I, Siargao	Plenary Session 4: Integration of technology in Teaching of Mathematics c/o CASIO Philippines
5:00-5:30	Debriefing	Debriefing	Debriefing	Debriefing
5:30-6:30	Dinner	Dinner	Dinner	Dinner

Time	Day 5 (May 21-Monday)	Day 6 (May 22-Tuesday)	Day 7 (May 23-Wednesday)	Day 8 (May 24-Thursday)
5:30-6:30	Morning Fitness Grade 8- Class 3	Morning Fitness Grade 8- Class 4	Morning Fitness Grade 8- Class 5	Morning Fitness Grade 4- Class 1
6:30-7:30	Breakfast	Breakfast	Breakfast	Breakfast
7:45 – 8:00	Management of Learning		Management of Learning	Management of Learning
8:00- 10:00	Number and Number Sense First Quarter	Number and Number Sense First Quarter	Number and Number Sense Second Quarter	Lecture-simulation on 1 st and 2 nd Quarter of Number and Number Sense
10:00-12:00		- Creation, sharing, improvement and finalization of created non-routine problems/problems/activities/tasks in Number and Number Sense, 1st Quarter - DLL Writing in Number and Number Sense, 1st Quarter	- Creation, sharing, improvement and finalization of created non-routine problems/problems/ problems /activities/ tasks in Number and Number Sense, 2nd Quarter - DLL Writing in Number and Number Sense, 2nd Quarter	Geometry, 3 rd Quarter
12:00-1:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break
1:00 P.M.-3:00 P.M.	Number and Number Sense First Quarter	Number and Number Sense Second Quarter	Number and Number Sense Second Quarter	Geometry, 3 rd Quarter
3:00 P.M.-4:00 P.M.			- Creation, sharing, improvement and finalization of created non-routine problems/ problems /activities/ tasks in Number and Number Sense, 2nd Quarter - DLL Writing in Number and Number Sense, 2nd Quarter	- Creation, sharing, improvement and finalization of created non-routine problems/ problems /activities/ tasks in Geometry, 3rd Quarter - DLL Writing in Geometry, 3rd Quarter
4:00 P.M.-5:00 P.M.				
5:00-5:30	Debriefing	Debriefing	Debriefing	Debriefing
5:30-6:30	Dinner	Dinner	Dinner	Dinner

Time	Day 9 (May 25-Monday)	Day 10 (May 26-Tuesday)	Day 11 (May 27-Wednesday)	Day 12 (May 28-Thursday)
5:30-6:30	Morning Fitness Grade 4- Class 2	Morning Fitness Grade 4- Class 3	Morning Fitness Grade 4- Class 4	Morning Fitness Grade 4- Class 5
6:30-7:30	Breakfast	Breakfast	Breakfast	Breakfast
7:45 – 8:00	Management of Learning	Management of Learning	Management of Learning	Management of Learning
8:00- 10:00	Patterns and Algebra 3 rd Quarter	Lecture-Simulation on Geometry and Patterns	Statistics & Probability, 4 th Quarter	Creation, sharing, improvement and finalization of created non-routine problems/ problems /activities/ tasks in Statistics & Probability, 4th Quarter
				DLL Writing in Statistics & Probability, 4th Quarter
10:00-12:00		Measurement, 4 th Quarter		Lecture-Simulation on Measurement and Statistics and Probability
12:00-1:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break
1:00 P.M.-4:00 P.M.	Patterns and Algebra 3 rd Quarter	Measurement, 4 th Quarter	Statistics & Probability, 4 th Quarter	Mathematics Proficiency Test (Post-Test)
4:00 P.M.-5:00 P.M.				Closing Program Clearing House Home Sweet Home
5:00 P.M.-6:00 P.M.	Creation, sharing, improvement and finalization of created non-routine problems/ problems /activities/ tasks in Patterns and Algebra, 3rd Quarter	Creation, sharing, improvement and finalization of created non-routine problems/ problems /activities/ tasks in Measurement, 4th Quarter		
5:00-5:30	Debriefing	Debriefing	Debriefing	
5:30-6:30	Dinner	Dinner	Dinner	

TRAINING MATRIX for Regional Training of Teachers (TOT) on Critical Contents in Mathematics Grade 8
May 17-28, 2018; Venue: Balanghai Hotel and Convention Center, Butuan City

ASSIGNMENT OF TOPICS & TRAINERS/FACILITATORS BY CLASS (For Breakout Sessions)
MATHEMATICS- GRADE 4

TOPICS	CLASS FACILITATORS/TRAINERS				
	Class 1	Class 2	Class 3	Class 4	Class 5
Number and Number Sense, Quarter 1	JOHN VICTOR T. TAMBIS Butuan City Division	JOCELYN R. CALUBAN Tandag City Division	ROMAR M. GARRIDO Bayugan City Division	ROWELITO Q. DAMUAG Agusan del Sur Division	REX C. APILLANES Bislig City Division
Number and Number Sense, Quarter 2	MARGIE A. CAGANDE Agusan del Norte Division	TWEETY D. BERAY Cabadbaran City Division	JOANN S. DEFANTE Surigao del Sur Division	LUNALIZA I. MENOR Surigao City Division	VANESSA P. BOLAMBOT Cabadbaran City Division
Geometry, Quarter 3	JOHN VICTOR T. TAMBIS Butuan City Division	JOCELYN R. CALUBAN Tandag City Division	ROMAR M. GARRIDO Bayugan City Division	LUNALIZA I. MENOR Surigao City Division	REX C. APILLANES Bislig City Division
Patterns and Algebra, Quarter 3	MARGIE A. CAGANDE Agusan del Norte Division	JOCELYN R. CALUBAN Tandag City Division	JOANN S. DEFANTE Surigao del Sur Division	ROWELITO Q. DAMUAG Agusan del Sur Division	VANESSA P. BOLAMBOT Cabadbaran City Division
Measurement, Quarter 4	MARGIE A. CAGANDE Agusan del Norte Division	TWEETY D. BERAY Cabadbaran City Division	ROMAR M. GARRIDO Bayugan City Division	LUNALIZA I. MENOR Surigao City Division	VANESSA P. BOLAMBOT Cabadbaran City Division
Statistics and Probability, Quarter 4	JOHN VICTOR T. TAMBIS Butuan City Division	TWEETY D. BERAY Cabadbaran City Division	JOANN S. DEFANTE Surigao del Sur Division	ROWELITO Q. DAMUAG Agusan del Sur Division	REX C. APILLANES Bislig City Division

Enclosure No. 3B to Regional Memorandum No. 268, s. 2018
(Enclosure No. 4B to Regional Memorandum No. 260, s. 2018)

TRAINING MATRIX for Regional Training of Teachers (TOT) on Critical Contents in Mathematics Grade 8
May 17-28, 2018; Venue: Balanghai Hotel and Convention Center, Butuan City

Time	Day 1 (May 17-Thursday)	Day 2 (May 18-Friday)	Day 3 (May 19-Saturday)	Day 4 (May 20-Sunday)
5:30-6:30		Morning Fitness c/o Regional Trainers	Morning Fitness Grade 8- Class 1	Morning Fitness Grade 8-Class 2
6:30-7:30		Breakfast	Breakfast	Breakfast
7:45 – 8:00			Management of Learning	Management of Learning
8:00- 10:00	Arrival and Registration of Participants c/o Technical Working Group/Secretariat	• English Proficiency Test (Pre-Test) • Plenary Session 1: Back to the Basics: A Fundamental Grammar and Reading Concepts in the Academic Contexts Daisy Marie L. Ligutom, T-III, Bislig City Venus Bajao, SEPS, Agusan del Sur	Continuation of Plenary Session 1: Back to the Basics: A Fundamental Grammar and Reading Concepts in the Academic Contexts Daisy Marie L. Ligutom Venus Bajao	Mathematics Proficiency Test (Pre-Test)
10:10-12:00				Plenary Session 3: Routine and Non-routine Problems in Mathematics VENDY VON P. SALVAN Bayugan City Division
12:00-1:00				Lunch Break
1:00 P.M.-3:00 P.M.	Lunch Break	Lunch Break	Lunch Break	Lunch Break
3:00 P.M.-5:00 P.M.	Opening Program c/o Regional Management Team	Continuation of Plenary Session 1: Back to the Basics: A Fundamental Grammar and Reading Concepts in the Academic Contexts Daisy Marie L. Ligutom Venus Bajao	Plenary Session 2: English for Specific Purposes Daisy Marie L. Ligutom Venus Bajao	Continuation of Plenary Session 3: Routine and Non-routine Problems in Mathematics VENDY VON P. SALVAN Bayugan City Division
			English Proficiency Test (Post -Test)	Plenary Session 4: Integration of technology in Teaching of Mathematics c/o CASIO Philippines
5:00-5:30			Debriefing	Debriefing
5:30-6:30	Debriefing	Debriefing	Debriefing	Debriefing
	Dinner	Dinner	Dinner	Dinner

Time	Day 5 (May 21-Monday)	Day 6 (May 22-Tuesday)	Day 7 (May 23-Wednesday)	Day 8 (May 24-Thursday)
5:30-6:30	Morning Fitness Grade 8- Class 3	Morning Fitness Grade 8- Class 4	Morning Fitness Grade 8- Class 5	Morning Fitness Grade 4- Class 1
6:30-7:30	Breakfast	Breakfast	Breakfast	Breakfast
7:45 – 8:00	Management of Learning	Management of Learning	Management of Learning	Management of Learning
8:00- 11:00	Patterns and Algebra, First Quarter	Patterns and Algebra, First Quarter	Patterns and Algebra, Second Quarter	Geometry, 2 nd Quarter
11:00 – 12:00		Creation, sharing, improvement and finalization of created non-routine problems/ problems /activities/ tasks in Patterns and Algebra, First Quarter DLL Writing in in Patterns and Algebra, First Quarter		
12:00-1:00	Lunch	Lunch	Lunch	Lunch
1:00 P.M.-3:00 P.M.	Patterns and Algebra, First Quarter	Patterns and Algebra, Second Quarter	Lecture-Simulation on Patterns and Algebra, First and Second Quarter	- Creation, sharing, improvement and finalization of created non-routine problems/ problems /activities/ tasks in Patterns and Algebra, and Geometry Second Quarter - DLL Writing in in Patterns and Algebra, and Geometry 2nd Quarter
3:00 P.M.-5:00 P.M.				
5:00-5:30	Debriefing	Debriefing	Debriefing	Debriefing
5:30-6:30	Dinner	Dinner	Dinner	Dinner

Time	Day 9 (May 25-Monday)	Day 10 (May 26-Tuesday)	Day 11 (May 27-Wednesday)	Day 12 (May 28-Thursday)
5:30-6:30	Morning Fitness Grade 4- Class 2	Morning Fitness Grade 4- Class 3	Morning Fitness Grade 4- Class 4	Morning Fitness Grade 4- Class 5
6:30-7:30	Breakfast	Breakfast	Breakfast	Breakfast
7:45 – 8:00	Management of Learning	Management of Learning	Management of Learning	Management of Learning
8:00- 9:00	Geometry, 3 rd and Fourth Quarter	Geometry, 3 rd and Fourth Quarter	Statistics and Probability, 4 th Quarter	- Creation, sharing, improvement and finalization of created non-routine problems/ problems /activities/ tasks in Statistics and Probability, 4th Quarter - DLL Writing in in Statistics and Probability, 4th Quarter
9:00-10:00				Consolidation of Group Outputs
10:00-11:00				Lecture-Simulation on Statistics and Probability 4 th Quarter
11:00-12:00			- Creation, sharing, improvement and finalization of created non-routine problems/ problems /activities/ tasks in Geometry, 3rd & 4th Quarter - DLL Writing in in Geometry, 3rd & 4th Quarter - Lecture-Simulation, Geometry 2nd Quarter	Mathematics Proficiency Test (Post-Test)
12:00-1:00		Lunch	Lunch	Lunch
1:00 P.M.-2:00 P.M.	Geometry, 3 rd and Fourth Quarter	Lecture-Simulation, Geometry 3 rd or 4 th Quarter	Statistics and Probability, 4 th Quarter	Closing Program Clearing House
2:00-3:00		Statistics and Probability, 4 th Quarter		Home Sweet Home
3:00 P.M.-5:00 P.M.		Debriefing		
5:00-5:30		Dinner	Dinner	
5:30-6:30				

TRAINING MATRIX for Regional Training of Teachers (TOT) on Critical Contents in Mathematics Grade 8
May 17-28, 2018; Venue: Balanghai Hotel and Convention Center, Butuan City

ASSIGNMENT OF TOPICS & TRAINERS/FACILITATORS BY CLASS (For Breakout Sessions)
MATHEMATICS- GRADE 8

TOPICS	CLASS FACILITATORS/TRAINERS				
	Class 1	Class 2	Class 3	Class 4	Class 5
Patterns and Algebra, Q1	VENDY VON P. SALVAN Bayugan City Division	EMMANUEL A. SAGA Bayugan City Division	ROCHELLE ANNA MYLA A. PARONDA Surigao del Sur Division	ALMA R. VELASCO Cabadbaran City Division	MELLANIE G. TUYOR Bislig City Division
Patterns and Algebra, Q2	VENDY VON P. SALVAN Bayugan City Division	PRECIOUS ISABEL V. SALUDES Butuan City Division	ROCHELLE ANNA MYLA A. PARONDA Surigao del Sur Division	ALMA R. VELASCO Cabadbaran City Division	KAREN JOY P. OMALA Bayugan City Division
Geometry, Q2	ELAN M. ELPIDANG Tandag City Division	EMMANUEL A. SAGA Bayugan City Division	VINCENT BUTCH S. EMBOLODE Bayugan City Division	ALMA R. VELASCO Cabadbaran City Division	MELLANIE G. TUYOR Bislig City Division
Geometry, Quarters 3 & 4- Part 1	ELAN M. ELPIDANG Tandag City Division	PRECIOUS ISABEL V. SALUDES Butuan City Division	VINCENT BUTCH S. EMBOLODE Bayugan City Division	JENNY O. PENDICA Agusan del Sur Division	KAREN JOY P. OMALA Bayugan City Division
Geometry, Quarters 3 & 4- Part 2	ELAN M. ELPIDANG Tandag City Division	EMMANUEL A. SAGA Bayugan City Division	VINCENT BUTCH S. EMBOLODE Bayugan City Division	JENNY O. PENDICA Agusan del Sur Division	KAREN JOY P. OMALA Bayugan City Division
Statistics and Probability, Quarter 4- Part 1	ELAN M. ELPIDANG Tandag City Division	EMMANUEL A. SAGA Bayugan City Division	ROCHELLE ANNA MYLA A. PARONDA Surigao del Sur Division	JENNY O. PENDICA Agusan del Sur Division	MELLANIE G. TUYOR Bislig City Division
Statistics and Probability, Quarter 4- Part 1	VENDY VON P. SALVAN Bayugan City Division	PRECIOUS ISABEL V. SALUDES Butuan City Division	VINCENT BUTCH S. EMBOLODE Bayugan City Division	JENNY O. PENDICA Agusan del Sur Division	MELLANIE G. TUYOR Bislig City Division