

Appendix-F
Table -1: Grade – I: Data Based on Observation Schedule

Item and its statements and its No.	Observations	Title of the mathematics topics observed in both the countries and corresponding observation											
		Number				Addition				Subtraction			
		BD		WB		BD		WB		BD		WB	
		n	%	n	%	n	%	n	%	n	%	n	%
1. The mathematics class	Duration of the period 30 minutes	5	42			5	42			2	17		
	40 "			4	33			4	33			4	33
2. The teacher had a lesson plan / out line of the plan with him / her	Yes			2	17								
	No	5	42	2	17	3	25	4	33	2	17	4	33
3. Mathematics text book was used by	Both teacher and pupil	5	42	4	33	4	33	4	33	2	17	4	33
4. The lesson was introduced, based on	Relevant activity	2	17	4	33			4	33			4	33
	Previous knowledge	1	8			2	17			2	17		
	Arbitrarily	2	17			3	25						
5. Teaching approach was	Proceeding from the concrete to abstract	2	17	4	33	2	17	4	33	1	8	4	33
	Proceeding from specific to general					1	8			1	8		
	Proceeding from general to specific	3	25			2	17						
6. The pupils' participation in classroom activities was	To a great extent			1	8			2	17			2	17
	Moderate	4	33	3	25	4	33	2	17	2	17	2	17
	Very little	1	8			1	8						
7. Pupils' response in the class was	Satisfactory												
	(i) correct answer: (a) oral	2	17	3	25	3	25	2	17			1	8
	(b) written			1	8	2	17	2	17	2	17	4	33
	Unsatisfactory												
	(ii) wrong answer	3	25										
	(iii) silence											1	8
8. Use of language by the teacher	Clear:												
	(i) specific word with illustration	3	25	4	33	3	25	2	17	2	17	4	33
	(ii) specific word with out	2	17			2	17	2	17				

Table-1.1: item-17: Grade-I: Methods / Technique Used by Teachers for Teaching Various Mathematical Topics

Mathematical topics	Name of The country	Number of Period Observed and its percentage	Method / technique used , its transaction and the time utilized by the teachers for teaching																			
			Lecture method & time in minutes				Question-answer method & time in minutes				Problem solving method & time in minutes				Team teaching method & time in minutes							
			Appropriate		Interesting		Appropriate		Interesting		Appropriate		Interesting		Appropriate		Interesting					
Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40			
Number	BD	n 5 % 42	2	17																		
	WB	n 4 % 33			2	17																
Addition	BD	n 5 % 42	4	33																		
	WB	n 4 % 33	1	17																		
Subtraction	BD	n 2 % 16	1	8																		
	WB	n 4 % 33	4	33																		

BD = Bangladesh WB = West Bengal

Table – 2: Grade – II: Data Based on Observation Schedule

Item and its statements and its No.	Observations	Title of the mathematics topics observed in both the countries and corresponding observation															
		Number			Addition			Subtraction			Multiplication						
		BD	n	%	BD	n	%	WB	n	%	BD	n	%	WB	n	%	
1. The mathematics class	Duration of the period 30 minutes 35 "	5	42		4	33			2	17				1	8		
2. The teacher had a lesson plan / out line of the plan with him / her	Yes No	5	42	3	25	4	33	2	17	1	8			1	8	2	17
3. Mathematics text book was used by	Both teacher and pupil	5	42	5	42	4	33	3	25	2	17	2	17	1	8	2	17
4. The lesson was introduced, based on	Relevant activity Previous knowledge Arbitrarily	2	17	3	25			3	25			2	17			2	17
5. Teaching approach was	Proceeding from the concrete to abstract Proceeding from specific to general Proceeding from general to specific To a great extent Moderate			5	42			2	17	3	25	2	17	2	17		
6. The pupils' participation in classroom activities was	Satisfactory (i) correct answer : ☺ (a) oral (b) written Unsatisfactory (ii) wrong answer (iii) silence	3	25	4	33	1	8	1	8	2	17	2	17	1	8	1	8
8. Use of language by the teacher	Clear:	1	8			1	8										

	(i) specific word with illustration	5	42	5	42	4	33	3	25	2	17	2	17	1	8	2	17
	(ii) specific word with out illustration	5	42	5	42	4	33	3	25	2	17	2	17	1	8	2	17
9. Audibility of teacher in the class	Clear	5	42	5	42	4	42	3	25	2	17	2	17	1	17	2	17
	Always			3	25									1	8	1	8
	Frequently			4	33	1	8	3	25	2	17	2	17				
10. Frequency of blackboard usage	Rarely	5	42	1	8												
	Effectively	5	42	5	42			3	25			2	17	1	8	1	8
11. Quality of blackboard work done by teacher	(i) appropriateness of content written on blackboard							3	25								
	Not effective									3	25						
	(i) inappropriateness of content written on board			3	25												
	(ii) disorganization of teaching points on blackboard			3	25					3	25						
	(iii) no use of colour chalk to focus underline important point			3	25					3	25						
12. Teaching aids used in the class	Yes																
	(i) they were appropriate	2	17	4	33			3	25					1	8	2	17
	(ii) they were effective			4	33			3	25								
	(iii) pupils' reaction:																
	(a) they did observe keenly	2	17	4	33			3	25							2	17
13. Nature of teaching aids used teacher	(b) they did ask questions frequently	3	25	1	8	4	33			2	17	2	17				
	No																
14. The teacher gave some assignments to the pupils to workout in the classroom	Charts			1	8									1	8	2	17
	Yes																
	(i) oral (Reading, reciting....)	2	17	3	25	2	17	3	25	1	8	1	8	1	8	2	17
15. The teacher assigned the home task to the pupils	(ii) written (Problem solving....)			2	17	2	17			1	8	1	8				
	No	3	25														
16. The teacher summarized / reviewed the lesson at the end of the class	Yes																
	(i) content taught			2	17	1	8	3	25	2	17	2	17	1	8	2	17
	No	5	42	3	25	3	25										
16. The teacher summarized / reviewed the lesson at the end of the class	Yes																
	(i) questing	1	8	3	25			1	8							2	17
	(ii) problem solving							2	17								
	No	4	33			4	33			2	17	4	33	1	8		

n = Number of periods observed

Table-2.1: item-17: Grade-II: Methods / Technique Used by Teachers for Teaching Various Mathematical Topics

Mathematical topics	Name of The country	Number of Period Observed and its percentage	Method / technique used , its transaction and the time utilized by the teachers for teaching																							
			Question – answer method & time in minutes						Problem solving method & time in minutes																	
			Appropriate			Interesting			Involvement students			Appropriate			Interesting			Involvement students								
Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40			
Number	BD	n 5	5																							
		% 42	42																							
	WB	n 5																								
		% 42	42																							
Addition	BD	n 4	2																							
		% 33	17																							
	WB	n 3																								
		% 25																								
Subtraction	BD	n 2																								
		% 17																								
	WB	n 2	2																							
		% 17	17																							
Multiplication	BD	n 1	1																							
		% 8	8																							
	WB	n 2	2																							
		% 17	17																							

BD = Bangladesh WB = West Bengal

Table – 3: Grade – III: Data Based on Observation Schedule

Item and its statements and its No.	Observations	Title of the mathematics topics observed in both the countries and corresponding observation																							
		Currency						FFOs						Fraction						Prime & Composite Number					
		BD		WB		%		BD		WB		%		BD		WB		%		BD		WB		%	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
1. The mathematics class	Duration of the period	3	25					5	42																
	35 minutes																								
	40 "			2	17	3	25	4	33																
2. The teacher had a lesson plan / out line of the plan with him / her	45 "			2	17	1	8																		
	Yes	3	25					9	75	5	42														
3. Mathematics text book was used by	No	3	25	2	17	9	75	4	33																
	Both teacher & pupil	3	25	2	17	9	75	4	33																
4. The lesson was introduced, based on	Relevant activity			2	17			2	17																
	Previous knowledge					6	50																		
5 Teaching approach was	Arbitrarily					3	25	2	17																
	Demonstration	3	25																						
6. The pupils' participation in classroom activities was	Proceeding from the concrete to abstract			2	17	6	50																		
	Proceeding from specific to general	3	25			3	25	4	33																
7. Pupils' response in the class was	To a great extent	3	25	1	8	3	25	2	17																
	Moderate	3	25	1	8	6	50	2	17																
Unsatisfactory	Satisfactory																								
	(i) correct answer: (a) oral	2	17	2	17																				
	(b) written	2	17	1	8																				
	(c) solution to given problem					6	50	3	25																
	Unsatisfactory																								

Table-3.1: item-17: Grade-III: Methods / Technique Used by Teachers for Teaching Various Mathematical Topics

Mathematical topics	Name of The country	Number of Period Observed and its percentage	Method / technique used , its transaction and the time utilized by the teachers for teaching																				
			Discussion method & time in minutes						Question – answer method & time in minutes						Problem – solving method & time in minutes								
			Appropriate			Appropriate			Appropriate			Appropriate			Appropriate			Appropriate					
			Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	Less than 10	11 to 20	21 to 30	31 to 40	
Currency	BD	n	3				3								3								
		%	25				25								25								
	WB	n	2					2															
		%	17					17															
FFOs	BD	n	9													9							9
		%	75													75							75
	WB	n	4				4																4
		%	33				33																33
Fractions	BD	n																					
		%																					
	WB	n	3				3																3
		%	25				25																25
Prime & Compositions Numbers	BD	n																					
		%																					
	WB	n	3																				3
		%	25																				25

BD = Bangladesh WB = West Bengal



Table – 4: Grade – IV: Data Based on Observation Schedule

Item and its statements and its No.	Observations	Title of the mathematics topics observed in both the countries and corresponding observation																	
		Measurement			Simplification			Decimal			Mean								
		BD	WB	%	BD	WB	%	BD	WB	%	BD	WB	%	BD	WB	%			
1. The mathematics class	Duration of the period 40 minutes	4	33	4	33	4	33	4	33	4	33	4	33	4	33	4	33		
2. The teacher had a lesson plan / out line of the plan with him / her	Yes No			2	17														
3. Mathematics text book was used by	Both Teacher & pupil The mode of using book	4	33	4	33	4	33	4	33	4	33	4	33	4	33	4	33		
4. The lesson was introduced, based on	Relevant activity Previous knowledge Arbitrarily	2	17			4	33			2	17	4	33						
5. Teaching approach was	Proceeding from the concrete to abstract Proceeding from general to specific	2	17	4	33	4	33			4	33	2	17	4	33	2	17		
6. The pupils' participation in classroom activities was	To a great extent Moderate Satisfactory (i) correct answer (a) oral	4	33	4	33	4	33			4	33	2	17	4	33	2	17		
7. Pupils' response in the class was	(b) written (c) solution to given problem Unsatisfactory (i) incomplete answer (ii) wrong answer	2	17			2	17			1	8	1	8	2	17	2	17		
8. Use of language by the teacher	Clear: (i) specific word with illustration	2	17			2	17			2	17								
		4	33	4	33	4	33	4	33	4	33	4	33	4	33	4	33		

	(ii) specific word with out illustration	4	33	4	33	4	33	4	33	4	33	4	33	4	33
9. Audibility of teacher in the class	Clear	4	33	4	33	4	33	4	33	4	33	4	33	4	33
	Always														
	Frequently	4	33	2	17										
10. Frequency of blackboard usage	Rarely			2	17									4	33
				2	17										
11. Quality of blackboard work done by teacher	Effectively:														
	(i) appropriateness of content written on blackboard	4	33	4	33	4	33	4	33	4	33	4	33	4	33
	Yes														
12. Teaching aids used in the class	(i) they were appropriate			3	25										
	(ii) they were effective			3	25										
	Pupils' reaction:														
	(a) they did observe keenly														
					3	25									
13. Nature of teaching aids used by teacher	(b) they did ask questions frequently			3	25										
	No	4	33	2	17	4	33	4	33	4	33	4	33	3	25
	Charts			2	17										
14. The teacher gave some assignments to the pupils to workout in the classroom	Yes														
	(i) oral (Reading, reciting...)	4	33	4	33					4	33				
	(ii) written (Problem solving...)	4	33	4	33	4	33	4	33	4	33	4	33	4	33
15. The teacher assigned the home task to the pupils	Yes														
	(i) content taught	2	17	4	33	4	33	4	33	4	33	4	33	4	33
	No	2	17												
16. The teacher summarized / reviewed the lesson at the end of the class	Yes														
	(i) questing	2	17	4	33					2	17	4	33	4	33
	(ii) problem solving	2	17	4	33					2	17	4	33	4	33
	No	2	17			4	33			2	17				

n = Number of periods observed

