



**District Report Card: 2017**


<b>State:</b> Assam	<b>District:</b> Morigaon
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1206


**Participation/Coverage**


**Students**

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	485	40.22	721	59.78

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	1155	95.77	51	4.23

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	211	17.50	177	14.68	170	14.10	648	53.73

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	1	5	2	2	0	1

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	945	78.36	261	21.64

**Average Performance of Students in Mathematics (%)**

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
56.82	55.29	57.85	56.65	60.65	54.12	66.56	57.69	57.18	54.47	57.05

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	56.34
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	62.67
M620	Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc.	58.55
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	58.56
M702	Interprets the division and multiplication of fractions	44.78
M705	Solves problems related to daily life situations involving rational numbers	59.37
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	57.23
M707	Adds/subtracts algebraic expressions	73.55
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	50.16
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	47.26
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	66.26
M721	Interprets data using bar graph	62.54
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	35.69
M802	Finds rational numbers between two given rational numbers	49.84
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	68.84
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	61.25
M808	Uses various algebraic identities in solving problems of daily life	65.27
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	49.11
M818	Finds surface area and volume of cuboidal and cylindrical object	32.48
M819	Draws and interprets bar charts and pie charts	60.45

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
232	19.24	239	19.82	396	32.84	339	28.11

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (32.48)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (35.69)
- 3 - Interprets the division and multiplication of fractions (44.78)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (47.26)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (49.11)