



### District Report Card: 2017


<b>State:</b> Assam	<b>District:</b> Kokrajhar
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1193


### Participation/Coverage


#### Students

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	532	44.59	661	55.41

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	1071	89.77	122	10.23

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	90	7.54	217	18.19	538	45.10	348	29.17

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	0	3	3	1	3	1

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	1092	91.53	101	8.47

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
56.22	55.75	56.60	56.79	51.20	56.28	55.64	56.15	50.14	53.92	63.60

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	61.91
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	65.27
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.	58.47
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	58.72
M702	Interprets the division and multiplication of fractions	48.20
M705	Solves problems related to daily life situations involving rational numbers	58.68
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	55.11
M707	Adds/subtracts algebraic expressions	73.18
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	47.91
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	40.60
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	63.39
M721	Interprets data using bar graph	65.16
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	45.73
M802	Finds rational numbers between two given rational numbers	51.42
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	59.90
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	66.83
M808	Uses various algebraic identities in solving problems of daily life	63.82
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	45.00
M818	Finds surface area and volume of cuboidal and cylindrical object	27.30
M819	Draws and interprets bar charts and pie charts	58.17

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
174	14.59	323	27.07	430	36.04	266	22.30

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (27.30)
- 2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (40.60)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (45.00)

- 4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (45.73)
- 5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (47.91)