NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
NATIONAL ACHIEVEMENT SURVEY - NAS
(Survey of Learning Outcomes)

District Report Card: 2017	
State: Assam	**District:** Jorhat
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 1140

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	587	51.49	553	48.51

AREA	Rural		Urban	
	Number	%	Number	%
	971	85.18	169	14.82

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	155	13.60	171	15.00	613	53.77	201	17.63

CWSN	LD	VI	HI	S&LD	ID	Oth
	4	1	2	2	1	2

Management	Government		Government-aided	
	Number	%	Number	%
	757	66.40	383	33.60

Average Performance of Students in Mathematics (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
41.96	41.27	42.69	41.73	43.27	41.22	43.43	38.97	42.03	42.68	42.02

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	37.80
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	36.33
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.	40.65
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	35.23
M702	Interprets the division and multiplication of fractions	37.28
M705	Solves problems related to daily life situations involving rational numbers	39.56
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	33.45
M707	Adds/subtracts algebraic expressions	56.23
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	36.13
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.26
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	53.53
M721	Interprets data using bar graph	57.65
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	27.56
M802	Finds rational numbers between two given rational numbers	44.87
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	47.52
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	38.49
M808	Uses various algebraic identities in solving problems of daily life	57.82
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	33.41
M818	Finds surface area and volume of cuboidal and cylindrical object	26.89
M819	Draws and interprets bar charts and pie charts	50.70

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
415	36.40	341	29.91	279	24.47	105	9.21

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (26.89)

2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (27.56)

3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (28.26)

4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (33.41)

5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (33.45)