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

Government of India
MHRD

NCERT

District Report Card: 2017	
State: Arunachal Pradesh	**District:** Longding
Class: 8	**Subject:** Mathematics
Schools: 13	**Students:** 321

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	175	54.52	146	45.48

AREA	Rural		Urban	
	Number	%	Number	%
	293	91.28	28	8.72

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	0	0.00	320	99.69	0	0.00	1	0.31

CWSN	LD	VI	HI	S&LD	ID	Oth
	0	0	2	0	0	0

Management	Government		Government-aided	
	Number	%	Number	%
	321	100.00	0	0.00

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
38.48	**39.16**	**37.67**	**39.43**	**28.57**	**38.48**	**0.00**	**0.00**	**38.52**	**0.00**	**26.67**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	48.17
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	39.02
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.	39.79
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	42.68
M702	Interprets the division and multiplication of fractions	32.71
M705	Solves problems related to daily life situations involving rational numbers	37.38
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	30.57
M707	Adds/subtracts algebraic expressions	46.11
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	17.20
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	29.88
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	46.60
M721	Interprets data using bar graph	48.41
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	33.76
M802	Finds rational numbers between two given rational numbers	36.31
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	45.12
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	38.22
M808	Uses various algebraic identities in solving problems of daily life	43.95
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	22.47
M818	Finds surface area and volume of cuboidal and cylindrical object	21.02
M819	Draws and interprets bar charts and pie charts	60.12

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
141	43.93	96	29.91	56	17.45	28	8.72

Lowest Performing Learning Outcomes (LOs)

1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (17.20)

2 - Finds surface area and volume of cuboidal and cylindrical object (21.02)

3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (22.47)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (29.88)

5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (30.57)