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

District Report Card: 2017	
State: Uttar Pradesh	**District:** Sambhal (bhim Nagar)
Class: 8	**Subject:** Mathematics
Schools: 48	**Students:** 173

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	137	79.19	36	20.81

AREA	Rural		Urban	
	Number	%	Number	%
	173	100.00	0	0.00

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	53	30.64	0	0.00	61	35.26	59	34.10

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

Management	Government		Government-aided	
	Number	%	Number	%
	173	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
29.06	30.46	23.70	29.06	0.00	29.06	0.00	30.31	0.00	26.78	30.28

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
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.	31.21
M702	Interprets the division and multiplication of fractions	16.76
M705	Solves problems related to daily life situations involving rational numbers	40.46
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	44.51
M707	Adds/subtracts algebraic expressions	50.29
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	24.86
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	45.66
M721	Interprets data using bar graph	28.32
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	31.79
M802	Finds rational numbers between two given rational numbers	20.81
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	25.43
M808	Uses various algebraic identities in solving problems of daily life	15.03
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	30.06
M818	Finds surface area and volume of cuboidal and cylindrical object	16.18
M819	Draws and interprets bar charts and pie charts	14.45

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
103	59.54	52	30.06	15	8.67	3	1.73

Lowest Performing Learning Outcomes (LOs)

1 - Draws and interprets bar charts and pie charts (14.45)

2 - Uses various algebraic identities in solving problems of daily life (15.03)

3 - Finds surface area and volume of cuboidal and cylindrical object (16.18)

4 - Interprets the division and multiplication of fractions (16.76)

5 - Finds rational numbers between two given rational numbers (20.81)