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

District Report Card: 2017	
State: Uttar Pradesh	**District:** Saharanpur
Class: 8	**Subject:** Mathematics
Schools: 47	**Students:** 434

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	189	43.55	245	56.45

AREA	Rural		Urban	
	Number	%	Number	%
	331	76.27	103	23.73

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	179	41.24	0	0.00	199	45.85	56	12.90

CWSN	LD	VI	HI	S&LD	ID	Oth
	0	0	0	1	0	12

Management	Government		Government-aided	
	Number	%	Number	%
	269	61.98	165	38.02

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
36.42	38.38	34.91	38.93	28.35	38.29	33.37	38.92	0.00	35.48	31.79

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	35.08
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	36.29
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.	39.00
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	28.63
M702	Interprets the division and multiplication of fractions	36.87
M705	Solves problems related to daily life situations involving rational numbers	30.18
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	41.40
M707	Adds/subtracts algebraic expressions	48.39
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	33.33
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	31.45
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	43.55
M721	Interprets data using bar graph	43.55
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	25.27
M802	Finds rational numbers between two given rational numbers	38.17
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	56.05
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	44.62
M808	Uses various algebraic identities in solving problems of daily life	38.17
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	32.55
M818	Finds surface area and volume of cuboidal and cylindrical object	26.88
M819	Draws and interprets bar charts and pie charts	17.97

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
184	42.40	133	30.65	94	21.66	23	5.30

Lowest Performing Learning Outcomes (LOs)

1 - Draws and interprets bar charts and pie charts (17.97)

2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (25.27)

3 - Finds surface area and volume of cuboidal and cylindrical object (26.88)

4 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (28.63)

5 - Solves problems related to daily life situations involving rational numbers (30.18)