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

District Report Card: 2017	
State: Uttar Pradesh	**District:** Sant Kabir Nagar
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 1128

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	544	48.23	584	51.77

AREA	Rural		Urban	
	Number	%	Number	%
	1128	100.00	0	0.00

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	375	33.24	9	0.80	609	53.99	135	11.97

CWSN	LD	VI	HI	S&LD	ID	Oth
	2	4	11	0	0	2

Management	Government		Government-aided	
	Number	%	Number	%
	717	63.56	411	36.44

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
38.84	38.54	39.11	38.84	0.00	40.24	36.38	38.12	29.63	39.41	38.86

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	37.63
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	45.05
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.	37.01
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	37.10
M702	Interprets the division and multiplication of fractions	36.17
M705	Solves problems related to daily life situations involving rational numbers	46.54
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	24.91
M707	Adds/subtracts algebraic expressions	56.21
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	44.48
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	30.57
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	46.69
M721	Interprets data using bar graph	45.73
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	29.89
M802	Finds rational numbers between two given rational numbers	30.78
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	49.65
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	50.00
M808	Uses various algebraic identities in solving problems of daily life	31.67
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	38.43
M818	Finds surface area and volume of cuboidal and cylindrical object	21.53
M819	Draws and interprets bar charts and pie charts	20.83

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
454	40.25	319	28.28	271	24.02	84	7.45

Lowest Performing Learning Outcomes (LOs)

1 - Draws and interprets bar charts and pie charts (20.83)

2 - Finds surface area and volume of cuboidal and cylindrical object (21.53)

3 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (24.91)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (29.89)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (30.57)