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

District Report Card: 2017	
State: Uttar Pradesh	**District:** Hamirpur (u.p.)
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 1707

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	845	49.50	862	50.50

AREA	Rural		Urban	
	Number	%	Number	%
	1488	87.17	219	12.83

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	521	30.52	1	0.06	1014	59.40	171	10.02

CWSN	LD	VI	HI	S&LD	ID	Oth
	6	4	11	3	0	5

Management	Government		Government-aided	
	Number	%	Number	%
	1380	80.84	327	19.16

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
41.48	**43.12**	**39.86**	**41.77**	**39.51**	**41.15**	**42.83**	**39.83**	**26.67**	**42.31**	**41.64**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	45.52
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	54.94
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.	48.42
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	41.20
M702	Interprets the division and multiplication of fractions	36.56
M705	Solves problems related to daily life situations involving rational numbers	43.59
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	44.92
M707	Adds/subtracts algebraic expressions	55.42
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	35.84
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	43.13
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	47.68
M721	Interprets data using bar graph	53.39
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	28.69
M802	Finds rational numbers between two given rational numbers	45.88
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	52.55
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	53.15
M808	Uses various algebraic identities in solving problems of daily life	25.54
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	29.56
M818	Finds surface area and volume of cuboidal and cylindrical object	19.37
M819	Draws and interprets bar charts and pie charts	25.13

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
628	36.79	372	21.79	509	29.82	198	11.60

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (19.37)

2 - Draws and interprets bar charts and pie charts (25.13)

3 - Uses various algebraic identities in solving problems of daily life (25.54)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (28.69)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (29.56)