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

District Report Card: 2017	
State: Uttar Pradesh	**District:** Hathras
Class: 8	**Subject:** Mathematics
Schools: 48	**Students:** 943

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	464	49.20	479	50.80

AREA	Rural		Urban	
	Number	%	Number	%
	697	73.91	246	26.09

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	373	39.55	3	0.32	377	39.98	190	20.15

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

Management	Government		Government-aided	
	Number	%	Number	%
	582	61.72	361	38.28

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
44.88	46.12	43.67	47.47	37.53	49.18	37.95	46.49	66.67	44.44	42.25

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	46.95
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	52.84
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.	51.97
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	42.74
M702	Interprets the division and multiplication of fractions	43.16
M705	Solves problems related to daily life situations involving rational numbers	43.58
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	47.22
M707	Adds/subtracts algebraic expressions	58.64
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	36.75
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	37.68
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	50.56
M721	Interprets data using bar graph	61.97
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	33.12
M802	Finds rational numbers between two given rational numbers	42.09
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	60.63
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	56.20
M808	Uses various algebraic identities in solving problems of daily life	38.03
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	41.26
M818	Finds surface area and volume of cuboidal and cylindrical object	19.44
M819	Draws and interprets bar charts and pie charts	24.07

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
272	28.84	269	28.53	349	37.01	53	5.62

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (19.44)

2 - Draws and interprets bar charts and pie charts (24.07)

3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (33.12)

4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (36.75)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (37.68)