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

Government of India
MHRD

NCERT

District Report Card: 2017	
State: Uttar Pradesh	**District:** Bareilly
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 1027

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	462	44.99	565	55.01

AREA	Rural		Urban	
	Number	%	Number	%
	813	79.16	214	20.84

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	257	25.02	0	0.00	642	62.51	128	12.46

CWSN	LD	VI	HI	S&LD	ID	Oth
	0	1	0	5	3	30

Management	Government		Government-aided	
	Number	%	Number	%
	697	67.87	330	32.13

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
39.52	**39.49**	**39.54**	**43.42**	**24.70**	**42.31**	**33.62**	**42.85**	**0.00**	**38.74**	**36.72**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	38.03
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	47.10
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.	41.68
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	40.54
M702	Interprets the division and multiplication of fractions	38.75
M705	Solves problems related to daily life situations involving rational numbers	39.34
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	37.72
M707	Adds/subtracts algebraic expressions	51.41
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	37.33
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.19
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	53.20
M721	Interprets data using bar graph	49.31
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	35.17
M802	Finds rational numbers between two given rational numbers	43.42
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	51.74
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	40.67
M808	Uses various algebraic identities in solving problems of daily life	30.26
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	30.23
M818	Finds surface area and volume of cuboidal and cylindrical object	18.86
M819	Draws and interprets bar charts and pie charts	26.29

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
393	38.27	324	31.55	245	23.86	65	6.33

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (18.86)

2 - Draws and interprets bar charts and pie charts (26.29)

3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (28.19)

4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (30.23)

5 - Uses various algebraic identities in solving problems of daily life (30.26)