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

District Report Card: 2017	
State: Delhi	**District:** Central Delhi
Class: 8	**Subject:** Mathematics
Schools: 50	**Students:** 998

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	461	46.19	537	53.81

AREA	Rural		Urban	
	Number	%	Number	%
	15	1.50	983	98.50

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	213	21.34	2	0.20	60	6.01	723	72.44

CWSN	LD	VI	HI	S&LD	ID	Oth
	0	1	0	0	2	5

Management	Government		Government-aided	
	Number	%	Number	%
	646	64.73	352	35.27

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
31.09	**31.18**	**31.01**	**20.44**	**31.25**	**30.04**	**33.01**	**30.99**	**36.67**	**32.00**	**31.03**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	28.22
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	25.77
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.	30.13
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	23.31
M702	Interprets the division and multiplication of fractions	32.46
M705	Solves problems related to daily life situations involving rational numbers	26.65
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	21.61
M707	Adds/subtracts algebraic expressions	35.07
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	18.47
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.22
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	42.17
M721	Interprets data using bar graph	38.11
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	27.31
M802	Finds rational numbers between two given rational numbers	32.22
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	35.58
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	27.50
M808	Uses various algebraic identities in solving problems of daily life	43.61
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	27.84
M818	Finds surface area and volume of cuboidal and cylindrical object	28.49
M819	Draws and interprets bar charts and pie charts	32.77

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
517	51.80	373	37.37	92	9.22	16	1.60

Lowest Performing Learning Outcomes (LOs)

1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (18.47)

2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (21.61)

3 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (23.31)

4 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (25.77)

5 - Solves problems related to daily life situations involving rational numbers (26.65)