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

District Report Card: 2017	
State: Rajasthan	**District:** Dausa
Class: 8	**Subject:** Mathematics
Schools: 49	**Students:** 1136

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	485	42.69	651	57.31

AREA	Rural		Urban	
	Number	%	Number	%
	1096	96.48	40	3.52

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	357	31.43	416	36.62	304	26.76	59	5.19

CWSN	LD	VI	HI	S&LD	ID	Oth
	5	2	0	4	5	77

Management	Government		Government-aided	
	Number	%	Number	%
	1136	100.00	0	0.00

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
68.49	**67.78**	**69.01**	**68.67**	**63.50**	**68.49**	**0.00**	**66.05**	**69.89**	**69.30**	**69.15**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	64.66
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	83.92
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.	82.96
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	67.67
M702	Interprets the division and multiplication of fractions	56.60
M705	Solves problems related to daily life situations involving rational numbers	67.08
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	78.42
M707	Adds/subtracts algebraic expressions	85.21
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	75.09
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	44.52
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	70.04
M721	Interprets data using bar graph	85.09
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	50.35
M802	Finds rational numbers between two given rational numbers	72.81
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	88.16
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	87.37
M808	Uses various algebraic identities in solving problems of daily life	25.26
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	61.87
M818	Finds surface area and volume of cuboidal and cylindrical object	33.33
M819	Draws and interprets bar charts and pie charts	67.87

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
44	3.87	130	11.44	552	48.59	410	36.09

Lowest Performing Learning Outcomes (LOs)

1 - Uses various algebraic identities in solving problems of daily life (25.26)

2 - Finds surface area and volume of cuboidal and cylindrical object (33.33)

3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (44.52)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (50.35)

5 - Interprets the division and multiplication of fractions (56.60)