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

District Report Card: 2017	
State: Madhya Pradesh	**District:** Sheopur
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 1168

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	656	56.16	512	43.84

AREA	Rural		Urban	
	Number	%	Number	%
	1058	90.58	110	9.42

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	189	16.18	355	30.39	575	49.23	49	4.20

CWSN	LD	VI	HI	S&LD	ID	Oth
	2	1	0	2	0	10

Management	Government		Government-aided	
	Number	%	Number	%
	1168	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
36.60	36.22	37.10	36.52	37.45	36.60	0.00	34.60	34.48	38.17	41.36

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	30.39
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	44.82
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.	35.12
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	34.63
M702	Interprets the division and multiplication of fractions	26.46
M705	Solves problems related to daily life situations involving rational numbers	44.86
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	39.03
M707	Adds/subtracts algebraic expressions	49.83
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	39.38
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	29.20
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	47.64
M721	Interprets data using bar graph	43.52
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	25.22
M802	Finds rational numbers between two given rational numbers	31.61
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	49.58
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	38.00
M808	Uses various algebraic identities in solving problems of daily life	32.82
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	31.36
M818	Finds surface area and volume of cuboidal and cylindrical object	16.93
M819	Draws and interprets bar charts and pie charts	29.02

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
473	40.50	413	35.36	230	19.69	52	4.45

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (16.93)

2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (25.22)

3 - Interprets the division and multiplication of fractions (26.46)

4 - Draws and interprets bar charts and pie charts (29.02)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (29.20)