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

District Report Card: 2017	
State: Madhya Pradesh	**District:** Tikamgarh
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 1295

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	677	52.28	618	47.72

AREA	Rural		Urban	
	Number	%	Number	%
	1095	84.56	200	15.44

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	380	29.34	38	2.93	790	61.00	87	6.72

CWSN	LD	VI	HI	S&LD	ID	Oth
	10	2	0	3	1	26

Management	Government		Government-aided	
	Number	%	Number	%
	1295	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
44.98	44.89	45.07	44.61	46.97	44.98	0.00	45.75	35.44	44.84	47.05

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	39.01
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	58.98
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.	49.77
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	39.16
M702	Interprets the division and multiplication of fractions	38.07
M705	Solves problems related to daily life situations involving rational numbers	47.80
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	46.22
M707	Adds/subtracts algebraic expressions	63.86
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	51.00
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	37.62
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	52.29
M721	Interprets data using bar graph	60.55
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	33.74
M802	Finds rational numbers between two given rational numbers	44.84
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	52.94
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	56.86
M808	Uses various algebraic identities in solving problems of daily life	42.22
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	32.61
M818	Finds surface area and volume of cuboidal and cylindrical object	20.80
M819	Draws and interprets bar charts and pie charts	30.97

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
351	27.10	390	30.12	461	35.60	93	7.18

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (20.80)

2 - Draws and interprets bar charts and pie charts (30.97)

3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (32.61)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (33.74)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (37.62)