



District Report Card: 2017


State: Madhya Pradesh	District: Morena
Class: 8	Subject: Mathematics
Schools: 51	Students: 1200


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	686	57.17	514	42.83

 AREA	Rural		Urban	
	Number	%	Number	%
	957	79.75	243	20.25

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	263	21.92	19	1.58	686	57.17	232	19.33

 CWSN	LD	VI	HI	S&LD	ID	Oth
	6	1	5	2	1	25

 Management	Government		Government-aided	
	Number	%	Number	%
	1183	98.58	17	1.42

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
42.08	42.86	41.04	41.80	43.18	41.84	58.82	42.31	50.18	42.64	39.48

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	34.00
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	50.67
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.	45.89
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	39.50
M702	Interprets the division and multiplication of fractions	42.42
M705	Solves problems related to daily life situations involving rational numbers	47.33
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	48.50
M707	Adds/subtracts algebraic expressions	59.25
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	48.00
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.17
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	48.33
M721	Interprets data using bar graph	56.33
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	29.83
M802	Finds rational numbers between two given rational numbers	36.50
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	48.83
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	56.67
M808	Uses various algebraic identities in solving problems of daily life	35.33
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	32.11
M818	Finds surface area and volume of cuboidal and cylindrical object	16.83
M819	Draws and interprets bar charts and pie charts	28.08

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
439	36.58	306	25.50	361	30.08	94	7.83

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (16.83)
- 2 - Draws and interprets bar charts and pie charts (28.08)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (28.17)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (29.83)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (32.11)