



District Report Card: 2017


State: Madhya Pradesh	District: Guna
Class: 8	Subject: Mathematics
Schools: 51	Students: 1130


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	563	49.82	567	50.18

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	948	83.89	182	16.11

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	184	16.28	170	15.04	729	64.51	47	4.16

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	0	0	0	0	0	0

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	1130	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
39.81	37.68	41.92	40.77	34.80	39.81	0.00	38.44	39.29	40.48	36.60

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	41.32
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	43.83
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.	40.20
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	37.57
M702	Interprets the division and multiplication of fractions	40.00
M705	Solves problems related to daily life situations involving rational numbers	36.81
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	34.33
M707	Adds/subtracts algebraic expressions	50.44
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	35.03
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	31.66
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	50.56
M721	Interprets data using bar graph	46.41
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	26.80
M802	Finds rational numbers between two given rational numbers	37.65
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	51.70
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	50.09
M808	Uses various algebraic identities in solving problems of daily life	38.70
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	32.39
M818	Finds surface area and volume of cuboidal and cylindrical object	23.29
M819	Draws and interprets bar charts and pie charts	36.11

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
399	35.31	373	33.01	319	28.23	39	3.45

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (23.29)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (26.80)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (31.66)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (32.39)
- 5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (34.33)