



District Report Card: 2017


State: Madhya Pradesh	District: Bhopal
Class: 8	Subject: Mathematics
Schools: 51	Students: 1247


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	525		42.10		722		57.90	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	608		48.76		639		51.24	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	365	29.27	103	8.26	631	50.60	148	11.87

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	10	4	4	5	3	54

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1168		93.66	79		6.34

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
42.54	42.37	42.67	43.68	41.46	43.18	33.08	43.42	39.35	43.69	37.75

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	44.55
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	53.58
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.	46.53
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	45.17
M702	Interprets the division and multiplication of fractions	43.79
M705	Solves problems related to daily life situations involving rational numbers	36.33
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	44.30
M707	Adds/subtracts algebraic expressions	57.02
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	36.53
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	33.49
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	46.00
M721	Interprets data using bar graph	58.51
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	30.08
M802	Finds rational numbers between two given rational numbers	42.81
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	52.34
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	55.04
M808	Uses various algebraic identities in solving problems of daily life	39.34
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	32.72
M818	Finds surface area and volume of cuboidal and cylindrical object	23.14
M819	Draws and interprets bar charts and pie charts	33.36

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
419	33.60	341	27.35	380	30.47	107	8.58

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (23.14)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (30.08)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (32.72)

4 - Draws and interprets bar charts and pie charts (33.36)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (33.49)