



### District Report Card: 2017


<b>State:</b> Madhya Pradesh	<b>District:</b> Neemuch
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 967


### Participation/Coverage


#### Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	470	48.60	497	51.40

 AREA	Rural		Urban	
	Number	%	Number	%
	724	74.87	243	25.13

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	167	17.27	101	10.44	607	62.77	92	9.51

 CWSN	LD	VI	HI	S&LD	ID	Oth
	2	4	3	2	0	4

 Management	Government		Government-aided	
	Number	%	Number	%
	942	97.41	25	2.59

### Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
44.78	42.89	46.56	43.79	47.71	45.35	23.20	46.55	37.89	45.11	46.96

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	39.70
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	46.71
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.	49.72
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	47.98
M702	Interprets the division and multiplication of fractions	43.43
M705	Solves problems related to daily life situations involving rational numbers	40.74
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	47.78
M707	Adds/subtracts algebraic expressions	55.33
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	36.09
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	34.39
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	49.37
M721	Interprets data using bar graph	58.27
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	31.05
M802	Finds rational numbers between two given rational numbers	43.15
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	63.27
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	51.01
M808	Uses various algebraic identities in solving problems of daily life	39.52
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	37.07
M818	Finds surface area and volume of cuboidal and cylindrical object	25.40
M819	Draws and interprets bar charts and pie charts	46.23

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
325	33.61	232	23.99	288	29.78	122	12.62

### Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (25.40)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (31.05)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (34.39)

- 4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (36.09)
- 5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (37.07)