



### District Report Card: 2017


<b>State:</b> Madhya Pradesh	<b>District:</b> Chhatarpur
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1201


### Participation/Coverage


#### Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	641	53.37	560	46.63

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	1035	86.18	166	13.82

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	365	30.39	57	4.75	700	58.28	79	6.58

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	2	2	8	1	1	2

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	1201	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
43.90	43.06	44.87	44.15	42.37	43.90	0.00	43.60	34.39	44.74	44.73

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	43.70
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	53.45
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.	44.32
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	42.18
M702	Interprets the division and multiplication of fractions	41.22
M705	Solves problems related to daily life situations involving rational numbers	41.22
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	46.53
M707	Adds/subtracts algebraic expressions	60.45
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	35.31
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	31.93
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	51.50
M721	Interprets data using bar graph	56.77
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	39.93
M802	Finds rational numbers between two given rational numbers	39.27
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	58.66
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	58.09
M808	Uses various algebraic identities in solving problems of daily life	43.73
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	37.53
M818	Finds surface area and volume of cuboidal and cylindrical object	15.51
M819	Draws and interprets bar charts and pie charts	33.22

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
409	34.05	338	28.14	312	25.98	142	11.82

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (15.51)
- 2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (31.93)
- 3 - Draws and interprets bar charts and pie charts (33.22)

- 4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (35.31)
- 5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (37.53)