



### District Report Card: 2017


<b>State:</b> Rajasthan	<b>District:</b> Sawai Madhopur
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1242


### Participation/Coverage


#### Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	553	44.52	689	55.48

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	1128	90.82	114	9.18

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	361	29.07	263	21.18	571	45.97	47	3.78

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	4	1	0	0	3	5

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	1242	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
60.91	58.90	62.52	61.52	54.85	60.91	0.00	57.80	66.69	60.54	56.88

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	55.39
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	70.05
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.	73.22
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	66.18
M702	Interprets the division and multiplication of fractions	55.88
M705	Solves problems related to daily life situations involving rational numbers	64.01
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	56.04
M707	Adds/subtracts algebraic expressions	73.99
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	65.38
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	43.64
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	59.80
M721	Interprets data using bar graph	76.17
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	56.04
M802	Finds rational numbers between two given rational numbers	70.21
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	82.77
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	73.11
M808	Uses various algebraic identities in solving problems of daily life	32.21
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	50.51
M818	Finds surface area and volume of cuboidal and cylindrical object	31.08
M819	Draws and interprets bar charts and pie charts	55.31

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
137	11.03	238	19.16	509	40.98	358	28.82

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (31.08)
- 2 - Uses various algebraic identities in solving problems of daily life (32.21)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (43.64)

4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (50.51)

5 - Draws and interprets bar charts and pie charts (55.31)