



### District Report Card: 2017


<b>State:</b> Madhya Pradesh	<b>District:</b> Anuppur
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1199


### Participation/Coverage


#### Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	596		49.71		603		50.29	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	1124		93.74		75		6.26	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	183	15.26	665	55.46	306	25.52	45	3.75

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	10	4	3	3	1	28

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1199		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
37.21	35.10	39.29	36.68	45.07	37.21	0.00	38.32	35.24	40.61	38.67

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	42.21
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	44.39
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.	38.81
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	36.85
M702	Interprets the division and multiplication of fractions	33.53
M705	Solves problems related to daily life situations involving rational numbers	33.36
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	32.72
M707	Adds/subtracts algebraic expressions	39.78
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	23.92
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	39.70
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	44.60
M721	Interprets data using bar graph	42.69
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	29.90
M802	Finds rational numbers between two given rational numbers	34.05
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	46.73
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	49.34
M808	Uses various algebraic identities in solving problems of daily life	37.04
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	32.13
M818	Finds surface area and volume of cuboidal and cylindrical object	20.60
M819	Draws and interprets bar charts and pie charts	38.20

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
530	44.20	352	29.36	207	17.26	110	9.17

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (20.60)
- 2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (23.92)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (29.90)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (32.13)
- 5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (32.72)