



District Report Card: 2017


State: Odisha	District: Ganjam
Class: 8	Subject: Mathematics
Schools: 50	Students: 1303


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	668		51.27		635		48.73	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	1146		87.95		157		12.05	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	280	21.49	8	0.61	940	72.14	75	5.76

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	2	9	0	2	5	3

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1274		97.77	29		2.23

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
49.28	48.46	50.13	48.54	54.65	49.74	28.97	47.29	55.00	49.11	58.22

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	40.78
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	54.26
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.	52.67
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	36.59
M702	Interprets the division and multiplication of fractions	47.66
M705	Solves problems related to daily life situations involving rational numbers	35.30
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	53.65
M707	Adds/subtracts algebraic expressions	59.55
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	38.45
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	43.72
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	57.65
M721	Interprets data using bar graph	62.92
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	44.07
M802	Finds rational numbers between two given rational numbers	43.62
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	57.21
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	51.37
M808	Uses various algebraic identities in solving problems of daily life	58.51
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	46.15
M818	Finds surface area and volume of cuboidal and cylindrical object	32.22
M819	Draws and interprets bar charts and pie charts	53.26

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
338	25.94	367	28.17	359	27.55	239	18.34

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (32.22)
- 2 - Solves problems related to daily life situations involving rational numbers (35.30)
- 3 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (36.59)

4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (38.45)

5 - Solves problems involving large numbers by applying appropriate operations (40.78)