



District Report Card: 2017


State: Odisha	District: Bolangir
Class: 8	Subject: Mathematics
Schools: 33	Students: 517


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	273	52.80	244	47.20

 AREA	Rural		Urban	
	Number	%	Number	%
	517	100.00	0	0.00

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	105	20.31	117	22.63	278	53.77	17	3.29

 CWSN	LD	VI	HI	S&LD	ID	Oth
	2	3	1	0	0	1

 Management	Government		Government-aided	
	Number	%	Number	%
	517	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
48.82	49.16	48.44	48.82	0.00	48.82	0.00	47.94	44.67	51.22	43.53

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	54.00
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	48.80
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.	49.15
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	46.40
M702	Interprets the division and multiplication of fractions	42.94
M705	Solves problems related to daily life situations involving rational numbers	40.43
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	53.18
M707	Adds/subtracts algebraic expressions	59.77
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	43.82
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	44.00
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	61.15
M721	Interprets data using bar graph	52.81
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	46.82
M802	Finds rational numbers between two given rational numbers	47.94
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	61.20
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	49.44
M808	Uses various algebraic identities in solving problems of daily life	56.55
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	41.07
M818	Finds surface area and volume of cuboidal and cylindrical object	32.96
M819	Draws and interprets bar charts and pie charts	43.52

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
140	27.08	154	29.79	121	23.40	102	19.73

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (32.96)
- 2 - Solves problems related to daily life situations involving rational numbers (40.43)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (41.07)

4 - Interprets the division and multiplication of fractions (42.94)

5 - Draws and interprets bar charts and pie charts (43.52)