



District Report Card: 2017


State: Odisha	District: Jajpur
Class: 8	Subject: Mathematics
Schools: 48	Students: 1126


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	559	49.64	567	50.36

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	1126	100.00	0	0.00

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	294	26.11	45	4.00	597	53.02	190	16.87

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	5	5	1	0	2	3

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	1126	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
52.31	52.95	51.69	52.31	0.00	52.31	0.00	56.28	37.93	51.03	53.61

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	49.91
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	57.37
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.	56.84
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	43.34
M702	Interprets the division and multiplication of fractions	48.05
M705	Solves problems related to daily life situations involving rational numbers	41.03
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	50.80
M707	Adds/subtracts algebraic expressions	61.99
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	38.90
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	44.94
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	64.54
M721	Interprets data using bar graph	61.99
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	46.54
M802	Finds rational numbers between two given rational numbers	45.65
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	62.34
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	57.19
M808	Uses various algebraic identities in solving problems of daily life	59.68
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	47.54
M818	Finds surface area and volume of cuboidal and cylindrical object	33.39
M819	Draws and interprets bar charts and pie charts	54.26

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
276	24.51	310	27.53	242	21.49	298	26.47

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (33.39)
- 2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (38.90)
- 3 - Solves problems related to daily life situations involving rational numbers (41.03)

- 4 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (43.34)
- 5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (44.94)