



District Report Card: 2017


State: Odisha	District: Sambalpur
Class: 8	Subject: Mathematics
Schools: 51	Students: 1294


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	583	45.05	711	54.95

AREA 	Rural		Urban	
	Number	%	Number	%
	1031	79.68	263	20.32

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	222	17.16	679	52.47	293	22.64	100	7.73

CWSN 	LD	VI	HI	S&LD	ID	Oth
	3	5	1	0	1	4

Management 	Government		Government-aided	
	Number	%	Number	%
	1266	97.84	28	2.16

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
31.76	32.48	31.17	31.60	32.37	31.89	25.95	31.80	30.06	34.95	33.80

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	26.35
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	28.51
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.	30.62
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	25.42
M702	Interprets the division and multiplication of fractions	34.78
M705	Solves problems related to daily life situations involving rational numbers	25.04
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	36.28
M707	Adds/subtracts algebraic expressions	36.48
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	20.47
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.66
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	47.09
M721	Interprets data using bar graph	37.98
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	24.50
M802	Finds rational numbers between two given rational numbers	30.39
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	35.13
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	30.08
M808	Uses various algebraic identities in solving problems of daily life	38.29
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	28.56
M818	Finds surface area and volume of cuboidal and cylindrical object	20.62
M819	Draws and interprets bar charts and pie charts	29.29

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
673	52.01	432	33.38	168	12.98	21	1.62

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (20.47)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (20.62)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (24.50)

4 - Solves problems related to daily life situations involving rational numbers (25.04)

5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (25.42)