



District Report Card: 2017


State: Odisha	District: Balasore
Class: 8	Subject: Mathematics
Schools: 47	Students: 1302


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	653	50.15	649	49.85

 AREA	Rural		Urban	
	Number	%	Number	%
	1184	90.94	118	9.06

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	313	24.04	264	20.28	511	39.25	214	16.44

 CWSN	LD	VI	HI	S&LD	ID	Oth
	3	2	2	0	0	5

 Management	Government		Government-aided	
	Number	%	Number	%
	958	73.58	344	26.42

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
48.19	47.95	48.43	49.71	32.94	45.64	55.31	50.61	46.36	50.59	41.18

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	41.14
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	56.24
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.	53.36
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	38.21
M702	Interprets the division and multiplication of fractions	44.62
M705	Solves problems related to daily life situations involving rational numbers	38.10
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	51.45
M707	Adds/subtracts algebraic expressions	61.29
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	40.43
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	36.21
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	60.28
M721	Interprets data using bar graph	57.12
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	43.80
M802	Finds rational numbers between two given rational numbers	42.88
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	52.08
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	56.97
M808	Uses various algebraic identities in solving problems of daily life	60.18
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	39.72
M818	Finds surface area and volume of cuboidal and cylindrical object	29.40
M819	Draws and interprets bar charts and pie charts	45.78

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
356	27.34	346	26.57	372	28.57	228	17.51

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (29.40)
- 2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (36.21)
- 3 - Solves problems related to daily life situations involving rational numbers (38.10)

- 4 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (38.21)
- 5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (39.72)