



District Report Card: 2017


State: Odisha	District: Khordha
Class: 8	Subject: Mathematics
Schools: 51	Students: 1342


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	577	43.00	765	57.00

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	947	70.57	395	29.43

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	222	16.54	138	10.28	589	43.89	393	29.28

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	2	6	1	1	0	33

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	1226	91.36	116	8.64

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
41.07	41.80	40.51	42.82	36.88	40.80	43.91	31.65	46.86	42.85	41.68

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	31.74
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	44.01
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.	42.29
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	26.95
M702	Interprets the division and multiplication of fractions	39.87
M705	Solves problems related to daily life situations involving rational numbers	30.10
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	44.36
M707	Adds/subtracts algebraic expressions	47.32
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	29.38
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	36.83
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	52.44
M721	Interprets data using bar graph	50.30
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	32.94
M802	Finds rational numbers between two given rational numbers	37.69
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	47.31
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	45.25
M808	Uses various algebraic identities in solving problems of daily life	56.53
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	37.81
M818	Finds surface area and volume of cuboidal and cylindrical object	24.48
M819	Draws and interprets bar charts and pie charts	46.05

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
468	34.87	449	33.46	312	23.25	113	8.42

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (24.48)
- 2 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (26.95)
- 3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (29.38)

4 - Solves problems related to daily life situations involving rational numbers (30.10)

5 - Solves problems involving large numbers by applying appropriate operations (31.74)