



District Report Card: 2017


State: Kerala	District: Ernakulam
Class: 8	Subject: Mathematics
Schools: 51	Students: 1339


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	599	44.73	740	55.27

AREA 	Rural		Urban	
	Number	%	Number	%
	837	62.51	502	37.49

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	142	10.60	5	0.37	809	60.42	383	28.60

CWSN 	LD	VI	HI	S&LD	ID	Oth
	6	1	2	2	8	21

Management 	Government		Government-aided	
	Number	%	Number	%
	208	15.53	1131	84.47

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
51.10	50.84	51.31	51.10	51.10	52.85	50.78	50.00	58.67	50.57	52.52

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	53.72
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	52.55
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.	53.21
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	31.53
M702	Interprets the division and multiplication of fractions	42.94
M705	Solves problems related to daily life situations involving rational numbers	58.18
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	23.85
M707	Adds/subtracts algebraic expressions	56.98
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	39.60
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	48.91
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	65.81
M721	Interprets data using bar graph	46.94
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	19.88
M802	Finds rational numbers between two given rational numbers	41.28
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	52.26
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	47.40
M808	Uses various algebraic identities in solving problems of daily life	59.63
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	60.03
M818	Finds surface area and volume of cuboidal and cylindrical object	39.14
M819	Draws and interprets bar charts and pie charts	60.27

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
298	22.26	464	34.65	214	15.98	363	27.11

Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (19.88)

2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (23.85)

3 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (31.53)

4 - Finds surface area and volume of cuboidal and cylindrical object (39.14)

5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (39.60)