



District Report Card: 2017


State: Kerala	District: Thrissur
Class: 8	Subject: Mathematics
Schools: 40	Students: 1089


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	557	51.15	532	48.85

 AREA	Rural		Urban	
	Number	%	Number	%
	812	74.56	277	25.44

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	136	12.49	5	0.46	624	57.30	324	29.75

 CWSN	LD	VI	HI	S&LD	ID	Oth
	2	6	5	0	4	3

 Management	Government		Government-aided	
	Number	%	Number	%
	289	26.54	800	73.46

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
47.70	46.77	48.66	49.11	43.54	47.13	47.90	46.72	48.00	47.08	49.28

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	58.02
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	43.06
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.	46.84
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	38.74
M702	Interprets the division and multiplication of fractions	46.01
M705	Solves problems related to daily life situations involving rational numbers	45.27
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	56.55
M707	Adds/subtracts algebraic expressions	42.24
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	60.67
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	51.89
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	58.21
M721	Interprets data using bar graph	54.31
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	29.59
M802	Finds rational numbers between two given rational numbers	43.63
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	35.50
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	52.81
M808	Uses various algebraic identities in solving problems of daily life	44.38
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	41.85
M818	Finds surface area and volume of cuboidal and cylindrical object	41.76
M819	Draws and interprets bar charts and pie charts	56.20

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
135	12.40	513	47.11	379	34.80	62	5.69

Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (29.59)

2 - Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11 (35.50)

3 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (38.74)

4 - Finds surface area and volume of cuboidal and cylindrical object (41.76)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (41.85)