



District Report Card: 2017


State: Kerala	District: Malappuram
Class: 8	Subject: Mathematics
Schools: 50	Students: 1298


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	621	47.84	677	52.16

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	1065	82.05	233	17.95

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	98	7.55	11	0.85	1152	88.75	37	2.85

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	0	4	2	2	1	1

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	462	35.59	836	64.41

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
54.89	53.97	55.74	54.29	57.63	54.27	55.23	59.93	41.82	54.40	60.72

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	43.15
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	50.24
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.	61.10
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	50.39
M702	Interprets the division and multiplication of fractions	45.76
M705	Solves problems related to daily life situations involving rational numbers	42.76
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	47.21
M707	Adds/subtracts algebraic expressions	43.99
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	92.46
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	34.17
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	50.28
M721	Interprets data using bar graph	96.23
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	37.25
M802	Finds rational numbers between two given rational numbers	93.36
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	46.46
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	39.37
M808	Uses various algebraic identities in solving problems of daily life	39.67
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	45.32
M818	Finds surface area and volume of cuboidal and cylindrical object	93.06
M819	Draws and interprets bar charts and pie charts	72.57

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
182	14.02	642	49.46	127	9.78	347	26.73

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (34.17)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (37.25)
- 3 - Finds squares, cubes, square roots and cube roots of numbers using different methods (39.37)

4 - Uses various algebraic identities in solving problems of daily life (39.67)

5 - Solves problems related to daily life situations involving rational numbers (42.76)