



District Report Card: 2017


State: Tamil Nadu	District: Virudhunagar
Class: 8	Subject: Mathematics
Schools: 51	Students: 1265


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	595	47.04	670	52.96

AREA 	Rural		Urban	
	Number	%	Number	%
	767	60.63	498	39.37

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	309	24.43	6	0.47	935	73.91	15	1.19

CWSN 	LD	VI	HI	S&LD	ID	Oth
	2	0	15	0	4	13

Management 	Government		Government-aided	
	Number	%	Number	%
	450	35.57	815	64.43

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
33.80	33.02	34.49	32.98	35.06	33.27	34.09	33.94	46.67	33.68	32.89

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	23.08
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	28.77
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.	26.79
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	25.08
M702	Interprets the division and multiplication of fractions	47.11
M705	Solves problems related to daily life situations involving rational numbers	31.78
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	19.84
M707	Adds/subtracts algebraic expressions	31.86
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	18.37
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	31.23
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	48.15
M721	Interprets data using bar graph	40.00
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	22.60
M802	Finds rational numbers between two given rational numbers	35.93
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	38.00
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	27.48
M808	Uses various algebraic identities in solving problems of daily life	54.15
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	27.42
M818	Finds surface area and volume of cuboidal and cylindrical object	30.24
M819	Draws and interprets bar charts and pie charts	45.30

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
557	44.03	550	43.48	129	10.20	29	2.29

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (18.37)
- 2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (19.84)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (22.60)

4 - Solves problems involving large numbers by applying appropriate operations (23.08)

5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (25.08)