



District Report Card: 2017


State: Tamil Nadu	District: Vellore
Class: 8	Subject: Mathematics
Schools: 51	Students: 1234


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	608		49.27		626		50.73	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	499		40.44		735		59.56	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	293	23.74	11	0.89	907	73.50	23	1.86

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	7	0	4	1	1	1

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	757		61.35	477		38.65

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
35.06	33.97	36.12	33.05	36.43	33.87	36.95	37.79	39.39	34.30	28.12

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	32.21
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	29.97
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.	31.86
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	30.45
M702	Interprets the division and multiplication of fractions	41.41
M705	Solves problems related to daily life situations involving rational numbers	35.66
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	26.56
M707	Adds/subtracts algebraic expressions	35.25
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	21.80
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	33.65
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	46.29
M721	Interprets data using bar graph	39.51
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	23.28
M802	Finds rational numbers between two given rational numbers	37.05
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	43.91
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	35.08
M808	Uses various algebraic identities in solving problems of daily life	49.18
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	23.63
M818	Finds surface area and volume of cuboidal and cylindrical object	37.70
M819	Draws and interprets bar charts and pie charts	40.76

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
580	47.00	444	35.98	162	13.13	48	3.89

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (21.80)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (23.28)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (23.63)

- 4 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (26.56)
- 5 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (29.97)