



District Report Card: 2017


State: Puducherry	District: Puducherry
Class: 8	Subject: Mathematics
Schools: 51	Students: 1307


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	644		49.27		663		50.73	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	609		46.60		698		53.40	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	422	32.29	5	0.38	826	63.20	54	4.13

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	0	0	2	5	6	6

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	986		75.44	321		24.56

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
29.39	27.93	30.80	28.16	30.46	28.70	31.51	29.65	28.00	28.81	36.30

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	23.15
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	22.38
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.	24.30
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	22.84
M702	Interprets the division and multiplication of fractions	31.91
M705	Solves problems related to daily life situations involving rational numbers	30.15
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	19.73
M707	Adds/subtracts algebraic expressions	31.68
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	15.63
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	26.54
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	40.66
M721	Interprets data using bar graph	35.81
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	20.79
M802	Finds rational numbers between two given rational numbers	32.17
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	37.19
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	24.89
M808	Uses various algebraic identities in solving problems of daily life	38.09
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	21.69
M818	Finds surface area and volume of cuboidal and cylindrical object	48.10
M819	Draws and interprets bar charts and pie charts	33.36

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
736	56.31	496	37.95	68	5.20	7	0.54

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (15.63)
- 2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (19.73)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (20.79)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (21.69)
- 5 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (22.38)