



District Report Card: 2017


State: Punjab	District: Ludhiana
Class: 8	Subject: Mathematics
Schools: 51	Students: 1389


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	721	51.91	668	48.09

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	905	65.15	484	34.85

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	787	56.66	1	0.07	226	16.27	375	27.00

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	4	15	1	6	1	60

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	1151	82.87	238	17.13

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
29.23	28.40	30.13	27.82	31.86	29.00	30.34	27.90	13.33	34.60	28.82

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	24.40
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	20.71
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.	27.55
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	23.12
M702	Interprets the division and multiplication of fractions	36.79
M705	Solves problems related to daily life situations involving rational numbers	24.55
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	29.09
M707	Adds/subtracts algebraic expressions	29.59
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	18.86
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	24.82
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	43.41
M721	Interprets data using bar graph	36.84
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	17.69
M802	Finds rational numbers between two given rational numbers	23.10
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	32.91
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	33.48
M808	Uses various algebraic identities in solving problems of daily life	42.11
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	25.45
M818	Finds surface area and volume of cuboidal and cylindrical object	21.78
M819	Draws and interprets bar charts and pie charts	28.44

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
766	55.15	428	30.81	174	12.53	21	1.51

Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (17.69)

2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (18.86)

3 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (20.71)

4 - Finds surface area and volume of cuboidal and cylindrical object (21.78)

5 - Finds rational numbers between two given rational numbers (23.10)