



District Report Card: 2017


State: Punjab	District: Patiala
Class: 8	Subject: Mathematics
Schools: 51	Students: 984


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	414	42.07	570	57.93

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	799	81.20	185	18.80

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	499	50.71	5	0.51	342	34.76	138	14.02

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	0	4	4	10	2	18

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	937	95.22	47	4.78

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
27.06	26.46	27.50	27.45	25.37	27.14	25.39	26.73	17.33	28.65	24.64

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	26.10
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	21.29
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.	24.63
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	24.30
M702	Interprets the division and multiplication of fractions	34.45
M705	Solves problems related to daily life situations involving rational numbers	19.31
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	20.16
M707	Adds/subtracts algebraic expressions	24.90
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	21.81
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	25.90
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	39.34
M721	Interprets data using bar graph	38.68
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	19.55
M802	Finds rational numbers between two given rational numbers	18.11
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	26.71
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	26.34
M808	Uses various algebraic identities in solving problems of daily life	39.71
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	22.06
M818	Finds surface area and volume of cuboidal and cylindrical object	25.31
M819	Draws and interprets bar charts and pie charts	31.20

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
602	61.18	321	32.62	54	5.49	7	0.71

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds rational numbers between two given rational numbers (18.11)
- 2 - Solves problems related to daily life situations involving rational numbers (19.31)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (19.55)

- 4 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (20.16)
- 5 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (21.29)