



District Report Card: 2017


State: Punjab	District: Jalandhar
Class: 8	Subject: Mathematics
Schools: 51	Students: 1100


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	487	44.27	613	55.73

AREA 	Rural		Urban	
	Number	%	Number	%
	621	56.45	479	43.55

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	769	69.91	3	0.27	138	12.55	190	17.27

CWSN 	LD	VI	HI	S&LD	ID	Oth
	2	14	0	3	0	26

Management 	Government		Government-aided	
	Number	%	Number	%
	957	87.00	143	13.00

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
29.80	31.57	28.40	29.21	30.56	28.82	36.36	29.74	33.33	30.10	29.79

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	26.31
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	24.32
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.	26.16
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	20.72
M702	Interprets the division and multiplication of fractions	38.45
M705	Solves problems related to daily life situations involving rational numbers	21.45
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	29.17
M707	Adds/subtracts algebraic expressions	27.36
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	21.65
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	23.78
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	46.34
M721	Interprets data using bar graph	38.17
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	28.99
M802	Finds rational numbers between two given rational numbers	18.90
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	29.91
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	26.79
M808	Uses various algebraic identities in solving problems of daily life	42.94
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	27.25
M818	Finds surface area and volume of cuboidal and cylindrical object	24.95
M819	Draws and interprets bar charts and pie charts	31.82

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
631	57.36	371	33.73	68	6.18	30	2.73

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds rational numbers between two given rational numbers (18.90)
- 2 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (20.72)
- 3 - Solves problems related to daily life situations involving rational numbers (21.45)

4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (21.65)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (23.78)