



District Report Card: 2017


State: Punjab	District: Mansa
Class: 8	Subject: Mathematics
Schools: 51	Students: 1426


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	716		50.21		710		49.79	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	1218		85.41		208		14.59	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	918	64.38	1	0.07	197	13.81	310	21.74

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	4	3	2	1	4	32

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1398		98.04	28		1.96

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
25.49	25.06	25.93	27.04	16.44	25.67	16.67	23.99	0.00	27.55	28.71

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	24.02
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	17.56
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.	21.47
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	24.44
M702	Interprets the division and multiplication of fractions	33.31
M705	Solves problems related to daily life situations involving rational numbers	16.34
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	20.31
M707	Adds/subtracts algebraic expressions	23.98
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	18.91
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	21.77
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	41.77
M721	Interprets data using bar graph	36.83
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	20.45
M802	Finds rational numbers between two given rational numbers	19.19
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	27.95
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	25.49
M808	Uses various algebraic identities in solving problems of daily life	32.21
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	19.88
M818	Finds surface area and volume of cuboidal and cylindrical object	16.81
M819	Draws and interprets bar charts and pie charts	31.14

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
885	62.06	407	28.54	112	7.85	22	1.54

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to daily life situations involving rational numbers (16.34)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (16.81)
- 3 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (17.56)

4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (18.91)

5 - Finds rational numbers between two given rational numbers (19.19)