



District Report Card: 2017


State: Punjab	District: Barnala
Class: 8	Subject: Mathematics
Schools: 36	Students: 830


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	377		45.42		453		54.58	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	718		86.51		112		13.49	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	591	71.20	0	0.00	106	12.77	133	16.02

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	4	0	1	1	4	35

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	812		97.83	18		2.17

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
25.87	25.11	26.50	25.14	30.54	25.53	41.48	24.82	0.00	28.24	28.67

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	26.98
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	23.95
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.	25.16
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	24.42
M702	Interprets the division and multiplication of fractions	32.41
M705	Solves problems related to daily life situations involving rational numbers	21.33
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	23.50
M707	Adds/subtracts algebraic expressions	22.29
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	14.50
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	22.79
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	39.60
M721	Interprets data using bar graph	29.00
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	23.25
M802	Finds rational numbers between two given rational numbers	20.25
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	29.53
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	23.50
M808	Uses various algebraic identities in solving problems of daily life	33.75
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	21.43
M818	Finds surface area and volume of cuboidal and cylindrical object	19.25
M819	Draws and interprets bar charts and pie charts	24.94

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
535	64.46	236	28.43	58	6.99	1	0.12

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (14.50)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (19.25)
- 3 - Finds rational numbers between two given rational numbers (20.25)

4 - Solves problems related to daily life situations involving rational numbers (21.33)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (21.43)