



District Report Card: 2017


State: West Bengal	District: Purba Medinipur
Class: 8	Subject: Mathematics
Schools: 51	Students: 1316


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	574	43.62	742	56.38

 AREA	Rural		Urban	
	Number	%	Number	%
	1197	90.96	119	9.04

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	252	19.15	21	1.60	117	8.89	926	70.36

 CWSN	LD	VI	HI	S&LD	ID	Oth
	3	6	1	7	2	44

 Management	Government		Government-aided	
	Number	%	Number	%
	1316	100.00	0	0.00

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
49.10	51.54	47.21	48.97	50.42	49.10	0.00	49.50	53.33	48.21	49.01

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	42.32
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	50.45
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.	50.15
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	45.33
M702	Interprets the division and multiplication of fractions	46.28
M705	Solves problems related to daily life situations involving rational numbers	38.15
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	39.26
M707	Adds/subtracts algebraic expressions	67.86
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	41.87
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	42.17
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	62.53
M721	Interprets data using bar graph	62.88
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	31.29
M802	Finds rational numbers between two given rational numbers	46.17
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	50.75
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	48.16
M808	Uses various algebraic identities in solving problems of daily life	65.18
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	43.03
M818	Finds surface area and volume of cuboidal and cylindrical object	33.90
M819	Draws and interprets bar charts and pie charts	50.68

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
356	27.05	397	30.17	322	24.47	241	18.31

Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (31.29)

2 - Finds surface area and volume of cuboidal and cylindrical object (33.90)

3 - Solves problems related to daily life situations involving rational numbers (38.15)

- 4 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (39.26)
- 5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (41.87)