



District Report Card: 2017


State: Uttar Pradesh	District: Shamli (prabudh Nagar)
Class: 8	Subject: Mathematics
Schools: 48	Students: 519


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	296	57.03	223	42.97

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	362	69.75	157	30.25

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	73	14.07	1	0.19	395	76.11	50	9.63

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

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	439	84.59	80	15.41

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
26.46	25.11	28.25	26.26	26.92	26.91	24.00	26.21	33.33	26.53	26.13

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	30.51
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	50.74
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.	23.77
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	10.66
M702	Interprets the division and multiplication of fractions	36.61
M705	Solves problems related to daily life situations involving rational numbers	15.80
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	21.86
M707	Adds/subtracts algebraic expressions	38.54
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	17.81
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	20.59
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	25.28
M721	Interprets data using bar graph	17.81
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	22.67
M802	Finds rational numbers between two given rational numbers	7.29
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	13.24
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	31.98
M808	Uses various algebraic identities in solving problems of daily life	19.84
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	34.13
M818	Finds surface area and volume of cuboidal and cylindrical object	43.72
M819	Draws and interprets bar charts and pie charts	26.20

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
305	58.77	200	38.54	14	2.70	0	0.00

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds rational numbers between two given rational numbers (7.29)
- 2 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (10.66)
- 3 - Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11 (13.24)

4 - Solves problems related to daily life situations involving rational numbers (15.80)

5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (17.81)