



District Report Card: 2017


State: Uttar Pradesh	District: Varanasi
Class: 8	Subject: Mathematics
Schools: 50	Students: 1161


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	596	51.34	565	48.66

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	1090	93.88	71	6.12

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	267	23.00	13	1.12	696	59.95	185	15.93

<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	%
	719	61.93	442	38.07

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
26.00	27.02	24.92	26.68	15.59	27.98	22.78	26.64	24.62	27.15	20.86

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	28.20
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	33.06
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.	31.05
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	28.85
M702	Interprets the division and multiplication of fractions	28.17
M705	Solves problems related to daily life situations involving rational numbers	24.46
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	16.91
M707	Adds/subtracts algebraic expressions	29.20
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	20.40
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	29.50
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	29.36
M721	Interprets data using bar graph	27.76
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	20.77
M802	Finds rational numbers between two given rational numbers	17.65
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	47.49
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	24.63
M808	Uses various algebraic identities in solving problems of daily life	23.71
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	22.83
M818	Finds surface area and volume of cuboidal and cylindrical object	18.20
M819	Draws and interprets bar charts and pie charts	12.23

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
749	64.51	261	22.48	129	11.11	22	1.89

Lowest Performing Learning Outcomes (LOs)

- 1 - Draws and interprets bar charts and pie charts (12.23)
- 2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (16.91)
- 3 - Finds rational numbers between two given rational numbers (17.65)

4 - Finds surface area and volume of cuboidal and cylindrical object (18.20)

5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (20.40)