



District Report Card: 2017


State: Uttar Pradesh	District: Gorakhpur
Class: 8	Subject: Mathematics
Schools: 49	Students: 908


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	440		48.46		468		51.54	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	815		89.76		93		10.24	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	341	37.56	0	0.00	525	57.82	42	4.63

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	0	0	1	0	3	1

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	546		60.13	362		39.87

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
33.08	32.26	33.85	33.30	31.11	35.59	29.28	31.65	0.00	34.39	28.25

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	28.60
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	34.41
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.	32.27
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	37.42
M702	Interprets the division and multiplication of fractions	33.59
M705	Solves problems related to daily life situations involving rational numbers	35.90
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	35.89
M707	Adds/subtracts algebraic expressions	49.23
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	28.44
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	30.97
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	40.71
M721	Interprets data using bar graph	40.41
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	27.09
M802	Finds rational numbers between two given rational numbers	29.80
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	38.92
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	38.60
M808	Uses various algebraic identities in solving problems of daily life	29.35
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	24.25
M818	Finds surface area and volume of cuboidal and cylindrical object	20.09
M819	Draws and interprets bar charts and pie charts	21.37

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
476	52.42	240	26.43	145	15.97	47	5.18

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (20.09)
- 2 - Draws and interprets bar charts and pie charts (21.37)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (24.25)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (27.09)

5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (28.44)