



District Report Card: 2017


State: Uttar Pradesh	District: Basti
Class: 8	Subject: Mathematics
Schools: 49	Students: 1000


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	396	39.60	604	60.40

 AREA	Rural		Urban	
	Number	%	Number	%
	984	98.40	16	1.60

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	310	31.00	1	0.10	533	53.30	156	15.60

 CWSN	LD	VI	HI	S&LD	ID	Oth
	0	2	1	0	0	32

 Management	Government		Government-aided	
	Number	%	Number	%
	441	44.10	559	55.90

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
48.64	48.72	48.59	48.63	49.17	45.88	50.82	48.15	40.00	47.55	53.38

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	58.25
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	63.22
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.	56.15
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	49.70
M702	Interprets the division and multiplication of fractions	40.20
M705	Solves problems related to daily life situations involving rational numbers	50.60
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	50.50
M707	Adds/subtracts algebraic expressions	70.60
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	50.50
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	41.15
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	56.49
M721	Interprets data using bar graph	57.95
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	36.22
M802	Finds rational numbers between two given rational numbers	41.05
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	58.45
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	58.15
M808	Uses various algebraic identities in solving problems of daily life	39.03
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	41.38
M818	Finds surface area and volume of cuboidal and cylindrical object	24.14
M819	Draws and interprets bar charts and pie charts	22.80

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
259	25.90	251	25.10	365	36.50	125	12.50

Lowest Performing Learning Outcomes (LOs)

1 - Draws and interprets bar charts and pie charts (22.80)

2 - Finds surface area and volume of cuboidal and cylindrical object (24.14)

3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (36.22)

4 - Uses various algebraic identities in solving problems of daily life (39.03)

5 - Interprets the division and multiplication of fractions (40.20)