



### District Report Card: 2017


<b>State:</b> Uttar Pradesh	<b>District:</b> Bahraich
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 47	<b>Students:</b> 963


### Participation/Coverage


#### Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	581	60.33	382	39.67

 AREA	Rural		Urban	
	Number	%	Number	%
	888	92.21	75	7.79

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	147	15.26	21	2.18	545	56.59	250	25.96

 CWSN	LD	VI	HI	S&LD	ID	Oth
	1	1	0	0	0	31

 Management	Government		Government-aided	
	Number	%	Number	%
	840	87.23	123	12.77

### Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
31.41	28.48	35.86	31.93	25.24	32.54	23.69	33.74	31.11	30.72	31.57

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	31.53
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	36.94
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.	36.62
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	29.79
M702	Interprets the division and multiplication of fractions	28.76
M705	Solves problems related to daily life situations involving rational numbers	34.27
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	37.44
M707	Adds/subtracts algebraic expressions	40.08
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	28.48
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	37.91
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	33.31
M721	Interprets data using bar graph	41.70
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	27.13
M802	Finds rational numbers between two given rational numbers	34.98
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	34.82
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	39.01
M808	Uses various algebraic identities in solving problems of daily life	18.83
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	21.62
M818	Finds surface area and volume of cuboidal and cylindrical object	18.83
M819	Draws and interprets bar charts and pie charts	21.39

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
564	58.57	173	17.96	157	16.30	69	7.17

## Lowest Performing Learning Outcomes (LOs)

- 1 - Uses various algebraic identities in solving problems of daily life (18.83)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (18.83)
- 3 - Draws and interprets bar charts and pie charts (21.39)

4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (21.62)

5 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (27.13)