



### District Report Card: 2017


<b>State:</b> Uttar Pradesh	<b>District:</b> Banda
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1077


### Participation/Coverage


#### Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	550	51.07	527	48.93

 AREA	Rural		Urban	
	Number	%	Number	%
	1007	93.50	70	6.50

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	245	22.75	11	1.02	637	59.15	184	17.08

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

 Management	Government		Government-aided	
	Number	%	Number	%
	922	85.61	155	14.39

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
27.95	27.36	28.58	28.66	17.81	27.56	30.28	27.37	24.24	28.57	26.81

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	28.54
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	34.10
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.	37.27
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	24.90
M702	Interprets the division and multiplication of fractions	22.66
M705	Solves problems related to daily life situations involving rational numbers	27.48
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	36.04
M707	Adds/subtracts algebraic expressions	38.72
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	15.86
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	27.01
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	30.27
M721	Interprets data using bar graph	31.17
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	22.52
M802	Finds rational numbers between two given rational numbers	27.93
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	37.55
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	38.20
M808	Uses various algebraic identities in solving problems of daily life	14.59
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	19.57
M818	Finds surface area and volume of cuboidal and cylindrical object	17.30
M819	Draws and interprets bar charts and pie charts	22.47

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
684	63.51	221	20.52	142	13.18	30	2.79

## Lowest Performing Learning Outcomes (LOs)

- 1 - Uses various algebraic identities in solving problems of daily life (14.59)
- 2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (15.86)
- 3 - Finds surface area and volume of cuboidal and cylindrical object (17.30)

4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (19.57)

5 - Draws and interprets bar charts and pie charts (22.47)