



### District Report Card: 2017


<b>State:</b> Uttar Pradesh	<b>District:</b> Hardoi
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 802


### Participation/Coverage


#### Students

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	405	50.50	397	49.50

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	725	90.40	77	9.60

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	296	36.91	4	0.50	361	45.01	141	17.58

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	0	1	0	0	0	26

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	582	72.57	220	27.43

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
26.82	25.48	28.19	27.40	21.39	27.42	25.24	27.70	38.33	26.43	25.67

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	32.59
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	22.96
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.	32.89
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	26.67
M702	Interprets the division and multiplication of fractions	20.57
M705	Solves problems related to daily life situations involving rational numbers	27.68
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	34.01
M707	Adds/subtracts algebraic expressions	34.66
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	18.89
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	23.95
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	28.91
M721	Interprets data using bar graph	29.47
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	25.94
M802	Finds rational numbers between two given rational numbers	19.40
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	39.01
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	44.33
M808	Uses various algebraic identities in solving problems of daily life	28.72
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	22.37
M818	Finds surface area and volume of cuboidal and cylindrical object	15.11
M819	Draws and interprets bar charts and pie charts	12.59

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
512	63.84	180	22.44	92	11.47	18	2.24

## Lowest Performing Learning Outcomes (LOs)

- 1 - Draws and interprets bar charts and pie charts (12.59)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (15.11)
- 3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (18.89)

4 - Finds rational numbers between two given rational numbers (19.40)

5 - Interprets the division and multiplication of fractions (20.57)