



### District Report Card: 2017


<b>State:</b> Uttar Pradesh	<b>District:</b> Hapur (panchsheel Nagar)
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 50	<b>Students:</b> 998


### Participation/Coverage


#### Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	550	55.11	448	44.89

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	856	85.77	142	14.23

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	342	34.27	8	0.80	450	45.09	198	19.84

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	0	0	1	1	1	23

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	549	55.01	449	44.99

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
37.87	36.04	40.12	38.64	33.19	40.68	34.43	37.31	18.33	37.61	40.20

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	41.07
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	39.78
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.	37.18
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	30.94
M702	Interprets the division and multiplication of fractions	35.27
M705	Solves problems related to daily life situations involving rational numbers	37.37
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	43.52
M707	Adds/subtracts algebraic expressions	53.11
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	32.09
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	30.20
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	48.02
M721	Interprets data using bar graph	43.96
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	30.99
M802	Finds rational numbers between two given rational numbers	37.14
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	46.22
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	47.03
M808	Uses various algebraic identities in solving problems of daily life	35.60
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	29.85
M818	Finds surface area and volume of cuboidal and cylindrical object	23.96
M819	Draws and interprets bar charts and pie charts	28.06

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
462	46.29	273	27.35	163	16.33	100	10.02

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (23.96)
- 2 - Draws and interprets bar charts and pie charts (28.06)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (29.85)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (30.20)

5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (30.94)