



### District Report Card: 2017


<b>State:</b> Uttar Pradesh	<b>District:</b> Kanpur Dehat
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 937


### Participation/Coverage


#### Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	427	45.57	510	54.43

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	836	89.22	101	10.78

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	334	35.65	7	0.75	463	49.41	133	14.19

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

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	655	69.90	282	30.10

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
<b>43.94</b>	<b>41.53</b>	<b>45.96</b>	<b>44.40</b>	<b>40.13</b>	<b>44.95</b>	<b>41.61</b>	<b>42.93</b>	<b>39.05</b>	<b>44.25</b>	<b>45.66</b>

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	39.41
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	50.00
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.	51.19
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	41.67
M702	Interprets the division and multiplication of fractions	40.13
M705	Solves problems related to daily life situations involving rational numbers	46.85
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	40.77
M707	Adds/subtracts algebraic expressions	64.14
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	45.84
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	47.97
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	54.53
M721	Interprets data using bar graph	50.51
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	31.03
M802	Finds rational numbers between two given rational numbers	41.38
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	48.20
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	56.19
M808	Uses various algebraic identities in solving problems of daily life	21.50
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	37.29
M818	Finds surface area and volume of cuboidal and cylindrical object	21.50
M819	Draws and interprets bar charts and pie charts	27.11

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
316	33.72	242	25.83	291	31.06	88	9.39

## Lowest Performing Learning Outcomes (LOs)

- 1 - Uses various algebraic identities in solving problems of daily life (21.50)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (21.50)
- 3 - Draws and interprets bar charts and pie charts (27.11)

- 4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (31.03)
- 5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (37.29)