



### District Report Card: 2017


<b>State:</b> Uttar Pradesh	<b>District:</b> Jyotiba Phule Nagar (amroha)
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1000


### Participation/Coverage


#### Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	451	45.10	549	54.90

 AREA	Rural		Urban	
	Number	%	Number	%
	719	71.90	281	28.10

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	217	21.70	2	0.20	532	53.20	249	24.90

 CWSN	LD	VI	HI	S&LD	ID	Oth
	1	0	2	0	2	5

 Management	Government		Government-aided	
	Number	%	Number	%
	571	57.10	429	42.90

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
48.21	49.03	47.54	52.48	37.30	48.16	48.28	45.31	40.00	49.76	47.50

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	46.85
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	61.38
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.	52.40
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	47.99
M702	Interprets the division and multiplication of fractions	44.10
M705	Solves problems related to daily life situations involving rational numbers	52.80
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	59.12
M707	Adds/subtracts algebraic expressions	64.30
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	47.80
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	43.40
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	52.59
M721	Interprets data using bar graph	60.38
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	36.90
M802	Finds rational numbers between two given rational numbers	48.85
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	60.23
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	61.22
M808	Uses various algebraic identities in solving problems of daily life	31.66
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	39.40
M818	Finds surface area and volume of cuboidal and cylindrical object	26.83
M819	Draws and interprets bar charts and pie charts	28.40

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
277	27.70	231	23.10	373	37.30	119	11.90

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (26.83)
- 2 - Draws and interprets bar charts and pie charts (28.40)
- 3 - Uses various algebraic identities in solving problems of daily life (31.66)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (36.90)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (39.40)