



### District Report Card: 2017


<b>State:</b> Uttar Pradesh	<b>District:</b> Jalaun
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1138


### Participation/Coverage


#### Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	490	43.06	648	56.94

 AREA	Rural		Urban	
	Number	%	Number	%
	1013	89.02	125	10.98

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	421	36.99	11	0.97	528	46.40	178	15.64

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

 Management	Government		Government-aided	
	Number	%	Number	%
	736	64.67	402	35.33

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
51.15	50.59	51.57	50.61	55.52	50.20	52.89	50.78	40.61	50.48	54.64

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	59.38
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	61.10
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.	61.49
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	50.77
M702	Interprets the division and multiplication of fractions	45.69
M705	Solves problems related to daily life situations involving rational numbers	52.90
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	49.19
M707	Adds/subtracts algebraic expressions	72.32
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	48.65
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	40.10
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	58.46
M721	Interprets data using bar graph	61.94
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	48.47
M802	Finds rational numbers between two given rational numbers	53.68
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	60.41
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	55.30
M808	Uses various algebraic identities in solving problems of daily life	27.65
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	45.32
M818	Finds surface area and volume of cuboidal and cylindrical object	26.93
M819	Draws and interprets bar charts and pie charts	25.92

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
242	21.27	280	24.60	464	40.77	152	13.36

## Lowest Performing Learning Outcomes (LOs)

- 1 - Draws and interprets bar charts and pie charts (25.92)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (26.93)
- 3 - Uses various algebraic identities in solving problems of daily life (27.65)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (40.10)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (45.32)