



District Report Card: 2017


State: Uttar Pradesh	District: Firozabad
Class: 8	Subject: Mathematics
Schools: 51	Students: 1014


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	460	45.36	554	54.64

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	552	54.44	462	45.56

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	287	28.30	42	4.14	599	59.07	86	8.48

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	2	1	3	0	1	1

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	386	38.07	628	61.93

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
33.11	35.55	31.08	36.28	29.32	32.38	33.56	34.33	34.92	31.59	38.76

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	30.04
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	31.37
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.	33.51
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	29.09
M702	Interprets the division and multiplication of fractions	29.49
M705	Solves problems related to daily life situations involving rational numbers	32.64
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	40.16
M707	Adds/subtracts algebraic expressions	40.14
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	40.78
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.71
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	37.60
M721	Interprets data using bar graph	41.80
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	28.48
M802	Finds rational numbers between two given rational numbers	40.98
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	33.46
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	43.44
M808	Uses various algebraic identities in solving problems of daily life	25.82
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	29.94
M818	Finds surface area and volume of cuboidal and cylindrical object	17.42
M819	Draws and interprets bar charts and pie charts	27.51

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
546	53.85	218	21.50	198	19.53	52	5.13

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (17.42)
- 2 - Uses various algebraic identities in solving problems of daily life (25.82)
- 3 - Draws and interprets bar charts and pie charts (27.51)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (28.48)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (28.71)