



District Report Card: 2017


State: Rajasthan	District: Nagaur
Class: 8	Subject: Mathematics
Schools: 51	Students: 1117


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	512	45.84	605	54.16

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	1074	96.15	43	3.85

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	350	31.33	8	0.72	659	59.00	100	8.95

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	4	3	1	0	6	1

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	1117	100.00	0	0.00

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
70.53	70.70	70.39	70.50	71.32	70.53	0.00	69.68	65.83	70.84	71.87

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	61.66
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	86.26
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.	83.89
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	83.36
M702	Interprets the division and multiplication of fractions	68.49
M705	Solves problems related to daily life situations involving rational numbers	68.49
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	69.68
M707	Adds/subtracts algebraic expressions	87.56
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	79.79
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	57.50
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	66.53
M721	Interprets data using bar graph	88.12
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	56.91
M802	Finds rational numbers between two given rational numbers	69.86
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	85.90
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	82.45
M808	Uses various algebraic identities in solving problems of daily life	29.96
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	62.99
M818	Finds surface area and volume of cuboidal and cylindrical object	40.60
M819	Draws and interprets bar charts and pie charts	67.68

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
42	3.76	97	8.68	501	44.85	477	42.70

Lowest Performing Learning Outcomes (LOs)

- 1 - Uses various algebraic identities in solving problems of daily life (29.96)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (40.60)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (56.91)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (57.50)

5 - Solves problems involving large numbers by applying appropriate operations (61.66)