



District Report Card: 2017


State: Bihar	District: Lakhisarai
Class: 8	Subject: Mathematics
Schools: 51	Students: 1293


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	612	47.33	681	52.67

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	1143	88.40	150	11.60

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	214	16.55	6	0.46	841	65.04	232	17.94

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

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	1293	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
51.80	53.33	50.42	51.67	52.76	51.80	0.00	49.13	63.33	51.07	56.58

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	48.44
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	73.36
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.	56.18
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	45.79
M702	Interprets the division and multiplication of fractions	53.13
M705	Solves problems related to daily life situations involving rational numbers	58.39
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	44.55
M707	Adds/subtracts algebraic expressions	67.44
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	42.70
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	32.24
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	53.02
M721	Interprets data using bar graph	66.21
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	35.18
M802	Finds rational numbers between two given rational numbers	50.38
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	66.20
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	65.13
M808	Uses various algebraic identities in solving problems of daily life	42.70
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	46.25
M818	Finds surface area and volume of cuboidal and cylindrical object	19.51
M819	Draws and interprets bar charts and pie charts	48.80

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
219	16.94	344	26.60	580	44.86	150	11.60

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (19.51)
- 2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (32.24)
- 3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (35.18)

4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (42.70)

5 - Uses various algebraic identities in solving problems of daily life (42.70)