



District Report Card: 2017


State: Bihar	District: Kaimur (bhabua)
Class: 8	Subject: Mathematics
Schools: 51	Students: 627


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	323		51.52		304		48.48	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	600		95.69		27		4.31	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	144	22.97	38	6.06	399	63.64	46	7.34

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

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	627		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
48.56	47.10	50.11	48.68	45.93	48.56	0.00	47.55	42.28	49.32	50.29

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	45.62
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	66.78
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.	54.79
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	42.81
M702	Interprets the division and multiplication of fractions	37.96
M705	Solves problems related to daily life situations involving rational numbers	44.50
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	4.55
M707	Adds/subtracts algebraic expressions	64.75
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	63.64
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	41.32
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	50.89
M721	Interprets data using bar graph	63.64
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	13.64
M802	Finds rational numbers between two given rational numbers	59.09
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	51.90
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	72.73
M808	Uses various algebraic identities in solving problems of daily life	54.55
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	37.99
M818	Finds surface area and volume of cuboidal and cylindrical object	54.55
M819	Draws and interprets bar charts and pie charts	45.61

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
166	26.48	141	22.49	233	37.16	87	13.88

Lowest Performing Learning Outcomes (LOs)

- 1 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (4.55)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (13.64)
- 3 - Interprets the division and multiplication of fractions (37.96)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (37.99)
- 5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (41.32)