



### District Report Card: 2017


<b>State:</b> Bihar	<b>District:</b> Saharsa
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1135


### Participation/Coverage


#### Students

<div>GENDER</div> <div></div>	Boys				Girls			
	Number		%		Number		%	
	575		50.66		560		49.34	

<div>AREA</div> <div></div>	Rural				Urban			
	Number		%		Number		%	
	1021		89.96		114		10.04	

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	151	13.30	3	0.26	810	71.37	171	15.07

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	0	2	4	0	0	0

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	1135		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
47.64	48.01	47.26	46.17	60.82	47.64	0.00	48.52	53.33	47.82	45.93

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	45.45
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	62.73
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.	53.29
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	40.91
M702	Interprets the division and multiplication of fractions	49.69
M705	Solves problems related to daily life situations involving rational numbers	50.22
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	45.98
M707	Adds/subtracts algebraic expressions	60.53
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	44.96
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	37.45
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	54.12
M721	Interprets data using bar graph	57.26
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	27.69
M802	Finds rational numbers between two given rational numbers	41.37
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	61.27
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	54.53
M808	Uses various algebraic identities in solving problems of daily life	34.70
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	35.61
M818	Finds surface area and volume of cuboidal and cylindrical object	28.55
M819	Draws and interprets bar charts and pie charts	49.07

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
313	27.58	306	26.96	365	32.16	151	13.30

## Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (27.69)

2 - Finds surface area and volume of cuboidal and cylindrical object (28.55)

3 - Uses various algebraic identities in solving problems of daily life (34.70)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (35.61)
- 5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (37.45)