NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
NATIONAL ACHIEVEMENT SURVEY - NAS
(Survey of Learning Outcomes)

District Report Card: 2017	
State: Chhattisgarh	**District:** Balodabazar
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 1305

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	648	49.66	657	50.34

AREA	Rural		Urban	
	Number	%	Number	%
	1203	92.18	102	7.82

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	332	25.44	166	12.72	801	61.38	6	0.46

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	5	8	0	2	3

Management	Government		Government-aided	
	Number	%	Number	%
	1283	98.31	22	1.69

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
39.02	**37.56**	**40.47**	**39.37**	**34.90**	**39.14**	**32.42**	**37.07**	**37.75**	**40.13**	**34.44**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	42.68
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	35.21
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.	38.19
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	28.66
M702	Interprets the division and multiplication of fractions	39.23
M705	Solves problems related to daily life situations involving rational numbers	36.78
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	35.13
M707	Adds/subtracts algebraic expressions	45.90
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	28.20
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	31.25
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	52.68
M721	Interprets data using bar graph	42.99
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	38.21
M802	Finds rational numbers between two given rational numbers	35.13
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	55.49
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	45.76
M808	Uses various algebraic identities in solving problems of daily life	37.44
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	30.95
M818	Finds surface area and volume of cuboidal and cylindrical object	21.73
M819	Draws and interprets bar charts and pie charts	41.69

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
516	39.54	424	32.49	291	22.30	74	5.67

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (21.73)

2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (28.20)

3 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (28.66)

4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (30.95)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (31.25)