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

District Report Card: 2017	
State: Chhattisgarh	**District:** Narayanpur
Class: 8	**Subject:** Mathematics
Schools: 49	**Students:** 1005

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	495	49.25	510	50.75

AREA	Rural		Urban	
	Number	%	Number	%
	858	85.37	147	14.63

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	46	4.58	797	79.30	143	14.23	19	1.89

CWSN	LD	VI	HI	S&LD	ID	Oth
	4	2	19	1	1	1

Management	Government		Government-aided	
	Number	%	Number	%
	884	87.96	121	12.04

Average Performance of Students in Mathematics (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
34.61	33.24	35.93	36.15	25.62	35.26	29.86	39.42	33.92	37.86	27.37

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	37.45
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	29.68
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.	33.18
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	30.28
M702	Interprets the division and multiplication of fractions	33.83
M705	Solves problems related to daily life situations involving rational numbers	35.82
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	30.02
M707	Adds/subtracts algebraic expressions	50.05
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	20.48
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	31.47
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	40.94
M721	Interprets data using bar graph	39.76
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	35.79
M802	Finds rational numbers between two given rational numbers	27.44
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	42.43
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	30.82
M808	Uses various algebraic identities in solving problems of daily life	39.17
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	32.32
M818	Finds surface area and volume of cuboidal and cylindrical object	15.71
M819	Draws and interprets bar charts and pie charts	34.53

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
487	48.46	304	30.25	176	17.51	38	3.78

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (15.71)

2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (20.48)

3 - Finds rational numbers between two given rational numbers (27.44)

4 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (29.68)

5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (30.02)