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

District Report Card: 2017	
State: Jharkhand	**District:** Godda
Class: 8	**Subject:** Mathematics
Schools: 47	**Students:** 1012

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	486	48.02	526	51.98

AREA	Rural		Urban	
	Number	%	Number	%
	976	96.44	36	3.56

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	99	9.78	115	11.36	792	78.26	6	0.59

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	0	3	0	1	4

Management	Government		Government-aided	
	Number	%	Number	%
	955	94.37	57	5.63

Average Performance of Students in Mathematics (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
55.88	54.81	56.86	54.97	80.56	56.21	50.29	53.94	58.84	55.67	57.78

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	61.71
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	73.61
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.	65.57
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	58.73
M702	Interprets the division and multiplication of fractions	53.36
M705	Solves problems related to daily life situations involving rational numbers	59.98
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	49.41
M707	Adds/subtracts algebraic expressions	76.19
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	57.09
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	44.64
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	57.26
M721	Interprets data using bar graph	68.70
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	32.48
M802	Finds rational numbers between two given rational numbers	46.06
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	67.86
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	68.11
M808	Uses various algebraic identities in solving problems of daily life	41.34
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	44.46
M818	Finds surface area and volume of cuboidal and cylindrical object	19.88
M819	Draws and interprets bar charts and pie charts	53.06

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
145	14.33	245	24.21	442	43.68	180	17.79

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (19.88)

2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (32.48)

3 - Uses various algebraic identities in solving problems of daily life (41.34)

4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (44.46)

5 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (44.64)