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

Government of India
MHRD

District Report Card: 2017	
State: Odisha	**District:** Jagatsinghpur
Class: 8	**Subject:** Mathematics
Schools: 36	**Students:** 875

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	416	47.54	459	52.46

AREA	Rural		Urban	
	Number	%	Number	%
	875	100.00	0	0.00

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	235	26.86	4	0.46	561	64.11	75	8.57

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

Management	Government		Government-aided	
	Number	%	Number	%
	369	42.17	506	57.83

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
60.15	**58.72**	**61.45**	**60.15**	**0.00**	**59.66**	**60.51**	**61.25**	**55.00**	**59.38**	**62.76**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	57.11
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	70.18
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.	66.97
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	58.49
M702	Interprets the division and multiplication of fractions	55.43
M705	Solves problems related to daily life situations involving rational numbers	47.31
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	60.14
M707	Adds/subtracts algebraic expressions	72.57
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	45.79
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	36.47
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	71.09
M721	Interprets data using bar graph	74.49
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	47.84
M802	Finds rational numbers between two given rational numbers	52.39
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	71.79
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	69.70
M808	Uses various algebraic identities in solving problems of daily life	63.55
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	54.16
M818	Finds surface area and volume of cuboidal and cylindrical object	34.85
M819	Draws and interprets bar charts and pie charts	67.31

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
135	15.43	189	21.60	266	30.40	285	32.57

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (34.85)

2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (36.47)

3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (45.79)

4 - Solves problems related to daily life situations involving rational numbers (47.31)

5 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (47.84)