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

District Report Card: 2017	
State: Odisha	**District:** Rayagada
Class: 5	**Subject:** Mathematics
Schools: 35	**Students:** 857

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	490	57.18	367	42.82

AREA	Rural		Urban	
	Number	%	Number	%
	783	91.37	74	8.63

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	172	20.07	516	60.21	137	15.99	32	3.73

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

Management	Government		Government-aided	
	Number	%	Number	%
	857	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
42.62	44.37	40.29	43.51	33.24	42.62	0.00	42.29	44.21	38.59	36.04

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M401	Applies operations of numbers in daily life situations	43.64
M412	Explores the area and perimeter of simple geometrical shapes (triangle, rectangle, square) in terms of given shape as a unit	35.92
M418	Calculates time intervals/duration of familiar daily life events by using forward or backward counting/addition and subtraction	54.33
M421	Represent the collected information in tables and bar graphs and draws inferences from these	50.53
M501	Reads and writes numbers bigger than 1000 being used in her/his surroundings	43.76
M504	Estimates sum, difference, product and quotient of numbers and verifies the same using different strategies like using standard algorithms or breaking a number and then using operation	47.80
M505	Finds the number corresponding to part of a collection	40.45
M506	Identifies and forms equivalent fractions of a given fraction	36.06
M508	Converts fractions into decimals and vice versa	43.19
M509	Classifies angles into right angle, acute angle, obtuse angle and represents the same by drawing and tracing	47.36
M512	Relates different commonly used larger and smaller units of length, weight and volume and converts larger units to smaller units and vice versa	38.98
M513	Estimates the volume of a solid body in known units.	30.52
M514	Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals	35.56
M515	Identifies the pattern in triangular numbers and square number	36.87
M516	Collects data related to various daily life situations, represents it in tabular form and as bar graphs and interprets it	56.15

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
298	34.77	249	29.05	210	24.50	100	11.67

Lowest Performing Learning Outcomes (LOs)

1 - Estimates the volume of a solid body in known units. (30.52)

2 - Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals (35.56)

3 - Explores the area and perimeter of simple geometrical shapes (triangle, rectangle, square) in terms of given shape as a unit (35.92)

4 - Identifies and forms equivalent fractions of a given fraction (36.06)

5 - Identifies the pattern in triangular numbers and square number (36.87)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment; **S&LD-** Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.