



District Report Card: 2017


State: Andaman & Nicobar Islands	District: Andamans
Class: 8	Subject: Mathematics
Schools: 51	Students: 990


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys			Girls		
	Number		%	Number		%
	501		50.61	489		49.39

<div>AREA</div> <div></div>	Rural			Urban		
	Number		%	Number		%
	511		51.62	479		48.38

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	5	0.51	23	2.32	227	22.93	735	74.24

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	2	3	0	3	1	0

<div>Management</div> <div></div>	Government			Government-aided		
	Number		%	Number		%
	932		94.14	58		5.86

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
32.86	32.69	33.03	31.08	34.77	32.58	37.36	50.67	31.01	34.48	32.30

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	27.07
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	29.49
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.	28.08
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	26.87
M702	Interprets the division and multiplication of fractions	32.73
M705	Solves problems related to daily life situations involving rational numbers	30.51
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	23.64
M707	Adds/subtracts algebraic expressions	38.89
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	22.63
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	30.71
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	46.20
M721	Interprets data using bar graph	43.64
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	22.63
M802	Finds rational numbers between two given rational numbers	32.73
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	44.85
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	25.66
M808	Uses various algebraic identities in solving problems of daily life	45.66
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	28.01
M818	Finds surface area and volume of cuboidal and cylindrical object	31.11
M819	Draws and interprets bar charts and pie charts	34.04

Range of Performance of Students who Answered Correctly

Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
496	50.10	360	36.36	106	10.71	28	2.83

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (22.63)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (22.63)
- 3 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (23.64)

4 - Finds squares, cubes, square roots and cube roots of numbers using different methods (25.66)

5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (26.87)