



District Report Card: 2017


State: Uttarakhand	District: Nainital
Class: 8	Subject: Mathematics
Schools: 51	Students: 1153


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	526	45.62	627	54.38

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	896	77.71	257	22.29

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	402	34.87	4	0.35	176	15.26	571	49.52

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

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	984	85.34	169	14.66

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
37.34	36.32	38.19	39.26	30.64	37.66	35.46	34.98	38.33	35.64	39.52

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	30.89
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	40.96
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.	34.62
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	32.42
M702	Interprets the division and multiplication of fractions	41.98
M705	Solves problems related to daily life situations involving rational numbers	31.48
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	32.28
M707	Adds/subtracts algebraic expressions	42.41
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	21.52
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	37.88
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	50.89
M721	Interprets data using bar graph	43.92
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	31.04
M802	Finds rational numbers between two given rational numbers	40.21
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	48.46
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	37.74
M808	Uses various algebraic identities in solving problems of daily life	41.62
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	31.86
M818	Finds surface area and volume of cuboidal and cylindrical object	14.64
M819	Draws and interprets bar charts and pie charts	41.02

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
483	41.89	394	34.17	217	18.82	59	5.12

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (14.64)
- 2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (21.52)
- 3 - Solves problems involving large numbers by applying appropriate operations (30.89)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (31.04)

5 - Solves problems related to daily life situations involving rational numbers (31.48)