



District Report Card: 2017


State: Karnataka	District: Bengaluru U North
Class: 8	Subject: Mathematics
Schools: 49	Students: 1336


Participation/Coverage


Students

 GENDER	Boys		Girls	
	Number	%	Number	%
	526	39.37	810	60.63

 AREA	Rural		Urban	
	Number	%	Number	%
	130	9.73	1206	90.27

 CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	490	36.68	62	4.64	584	43.71	200	14.97

 CWSN	LD	VI	HI	S&LD	ID	Oth
	5	12	4	2	0	32

 Management	Government		Government-aided	
	Number	%	Number	%
	628	47.01	708	52.99

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
35.03	36.12	34.32	30.00	35.57	36.41	33.80	36.80	33.12	34.08	34.07

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	36.06
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	31.67
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.	28.36
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	33.33
M702	Interprets the division and multiplication of fractions	31.96
M705	Solves problems related to daily life situations involving rational numbers	38.17
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	24.85
M707	Adds/subtracts algebraic expressions	35.63
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	20.71
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	28.48
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	51.20
M721	Interprets data using bar graph	37.87
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	21.30
M802	Finds rational numbers between two given rational numbers	41.72
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	43.48
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	27.96
M808	Uses various algebraic identities in solving problems of daily life	44.53
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	30.21
M818	Finds surface area and volume of cuboidal and cylindrical object	25.89
M819	Draws and interprets bar charts and pie charts	46.33

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
598	44.76	479	35.85	230	17.22	29	2.17

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (20.71)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (21.30)
- 3 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (24.85)

4 - Finds surface area and volume of cuboidal and cylindrical object (25.89)

5 - Finds squares, cubes, square roots and cube roots of numbers using different methods (27.96)