



District Report Card: 2017


State: Karnataka	District: Belagavi
Class: 8	Subject: Mathematics
Schools: 51	Students: 1403


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	740	52.74	663	47.26

AREA 	Rural		Urban	
	Number	%	Number	%
	984	70.14	419	29.86

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	132	9.41	190	13.54	809	57.66	272	19.39

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

Management 	Government		Government-aided	
	Number	%	Number	%
	581	41.41	822	58.59

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
65.37	64.09	66.80	67.15	61.18	69.10	62.73	63.38	64.14	65.54	66.69

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	72.21
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	74.33
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.	65.86
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	66.15
M702	Interprets the division and multiplication of fractions	46.90
M705	Solves problems related to daily life situations involving rational numbers	59.87
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	69.45
M707	Adds/subtracts algebraic expressions	80.47
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	55.48
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	50.35
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	82.34
M721	Interprets data using bar graph	77.52
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	43.52
M802	Finds rational numbers between two given rational numbers	69.60
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	78.39
M808	Uses various algebraic identities in solving problems of daily life	72.05
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	55.87
M818	Finds surface area and volume of cuboidal and cylindrical object	41.35
M819	Draws and interprets bar charts and pie charts	65.93

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
84	5.99	213	15.18	613	43.69	493	35.14

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (41.35)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (43.52)
- 3 - Interprets the division and multiplication of fractions (46.90)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (50.35)

5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (55.48)