



District Report Card: 2017


State: Karnataka	District: Mandya
Class: 8	Subject: Mathematics
Schools: 51	Students: 1410


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	772	54.75	638	45.25

AREA 	Rural		Urban	
	Number	%	Number	%
	1218	86.38	192	13.62

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	238	16.88	24	1.70	1113	78.94	35	2.48

CWSN 	LD	VI	HI	S&LD	ID	Oth
	3	1	1	1	0	20

Management 	Government		Government-aided	
	Number	%	Number	%
	953	67.59	457	32.41

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
43.76	43.85	43.66	44.05	41.94	43.21	44.92	45.46	41.94	43.47	42.67

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	43.40
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	42.98
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.	41.13
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	44.82
M702	Interprets the division and multiplication of fractions	37.16
M705	Solves problems related to daily life situations involving rational numbers	45.96
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	36.60
M707	Adds/subtracts algebraic expressions	50.92
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	37.59
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	27.38
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	62.32
M721	Interprets data using bar graph	54.04
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	30.07
M802	Finds rational numbers between two given rational numbers	49.08
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	55.18
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	49.50
M808	Uses various algebraic identities in solving problems of daily life	53.19
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	33.29
M818	Finds surface area and volume of cuboidal and cylindrical object	28.37
M819	Draws and interprets bar charts and pie charts	41.21

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
411	29.15	484	34.33	414	29.36	101	7.16

Lowest Performing Learning Outcomes (LOs)

1 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (27.38)

2 - Finds surface area and volume of cuboidal and cylindrical object (28.37)

3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (30.07)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (33.29)
- 5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (36.60)