



District Report Card: 2017


State: Karnataka	District: Tumakuru
Class: 8	Subject: Mathematics
Schools: 51	Students: 1445


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	736	50.93	709	49.07

AREA 	Rural		Urban	
	Number	%	Number	%
	1039	71.90	406	28.10

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	320	22.15	103	7.13	935	64.71	87	6.02

CWSN 	LD	VI	HI	S&LD	ID	Oth
	1	3	0	2	4	94

Management 	Government		Government-aided	
	Number	%	Number	%
	632	43.74	813	56.26

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
52.53	50.47	54.66	52.84	51.72	50.15	54.37	51.56	58.32	52.34	51.26

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	52.39
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	57.61
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.	49.05
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	48.45
M702	Interprets the division and multiplication of fractions	46.30
M705	Solves problems related to daily life situations involving rational numbers	52.80
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	57.28
M707	Adds/subtracts algebraic expressions	66.85
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	31.02
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	39.86
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	70.81
M721	Interprets data using bar graph	53.88
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	43.13
M802	Finds rational numbers between two given rational numbers	58.23
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	63.38
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	59.86
M808	Uses various algebraic identities in solving problems of daily life	63.67
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	43.34
M818	Finds surface area and volume of cuboidal and cylindrical object	33.06
M819	Draws and interprets bar charts and pie charts	46.44

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
285	19.72	398	27.54	516	35.71	246	17.02

Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (31.02)
- 2 - Finds surface area and volume of cuboidal and cylindrical object (33.06)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (39.86)

4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (43.13)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (43.34)