






District Report Card: 2017	
State: Assam	District: Darrang
Class: 8	Subject: Mathematics
Schools: 50	Students: 1255

Participation/Coverage

Students

GENDER 	Boys				Girls			
	Number		%		Number		%	
	453		36.10		802		63.90	
AREA 	Rural				Urban			
	Number		%		Number		%	
	1230		98.01		25		1.99	
CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	33	2.63	3	0.24	56	4.46	1163	92.67
CWSN 	LD	VI	HI	S&LD	ID	Oth		
	4	1	3	4	3	1		
Management 	Government				Government-aided			
	Number		%		Number		%	
	1059		84.38		196		15.62	

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
46.29	46.96	45.91	46.70	26.13	44.88	53.91	36.97	48.89	38.57	46.92

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	42.05
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	45.20
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.	43.60
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	41.73
M702	Interprets the division and multiplication of fractions	44.46
M705	Solves problems related to daily life situations involving rational numbers	43.90
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	40.48
M707	Adds/subtracts algebraic expressions	58.09
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	42.58
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	34.80
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	57.57
M721	Interprets data using bar graph	56.29
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	29.03
M802	Finds rational numbers between two given rational numbers	40.16
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	48.50
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	46.29
M808	Uses various algebraic identities in solving problems of daily life	52.10
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	42.12
M818	Finds surface area and volume of cuboidal and cylindrical object	22.74
M819	Draws and interprets bar charts and pie charts	61.83

Range of Performance of Students who Answered Correctly

Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
360	28.69	372	29.64	365	29.08	158	12.59

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (22.74)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (29.03)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (34.80)

4 - Finds rational numbers between two given rational numbers (40.16)

5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (40.48)