



**District Report Card: 2017**


<b>State:</b> Tripura	<b>District:</b> West Tripura
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1039


**Participation/Coverage**


**Students**

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	507	48.80	532	51.20

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	517	49.76	522	50.24

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	309	29.74	193	18.58	264	25.41	273	26.28

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	2	0	0	1	0	17

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	977	94.03	62	5.97

**Average Performance of Students in Mathematics (%)**

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
35.49	37.13	33.92	32.02	38.93	35.51	35.16	33.29	32.37	35.81	39.88

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	30.25
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	29.11
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.	35.91
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	33.46
M702	Interprets the division and multiplication of fractions	31.86
M705	Solves problems related to daily life situations involving rational numbers	29.55
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	26.47
M707	Adds/subtracts algebraic expressions	46.20
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	21.18
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	35.16
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	47.07
M721	Interprets data using bar graph	41.18
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	25.49
M802	Finds rational numbers between two given rational numbers	35.49
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	40.26
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	37.45
M808	Uses various algebraic identities in solving problems of daily life	61.18
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	26.98
M818	Finds surface area and volume of cuboidal and cylindrical object	33.73
M819	Draws and interprets bar charts and pie charts	34.65

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
460	44.27	374	36.00	166	15.98	39	3.75

## Lowest Performing Learning Outcomes (LOs)

- 1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (21.18)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (25.49)
- 3 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (26.47)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (26.98)
- 5 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (29.11)