



### District Report Card: 2017


<b>State:</b> West Bengal	<b>District:</b> Hugli
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1224


### Participation/Coverage


#### Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	539	44.04	685	55.96

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	955	78.02	269	21.98

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	405	33.09	83	6.78	234	19.12	502	41.01

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	2	0	1	1	0	8

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	384	31.37	840	68.63

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
35.29	35.93	34.79	35.16	35.76	38.96	33.62	34.55	29.00	35.87	36.67

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	29.34
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	41.48
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.	31.13
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	35.41
M702	Interprets the division and multiplication of fractions	35.13
M705	Solves problems related to daily life situations involving rational numbers	24.35
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	19.06
M707	Adds/subtracts algebraic expressions	44.93
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	22.96
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	32.46
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	48.85
M721	Interprets data using bar graph	48.21
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	22.15
M802	Finds rational numbers between two given rational numbers	38.44
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	35.25
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	32.90
M808	Uses various algebraic identities in solving problems of daily life	54.23
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	32.12
M818	Finds surface area and volume of cuboidal and cylindrical object	33.39
M819	Draws and interprets bar charts and pie charts	34.23

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
551	45.02	437	35.70	191	15.60	45	3.68

## Lowest Performing Learning Outcomes (LOs)

- 1 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (19.06)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (22.15)
- 3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (22.96)

4 - Solves problems related to daily life situations involving rational numbers (24.35)

5 - Solves problems involving large numbers by applying appropriate operations (29.34)