



### District Report Card: 2017


<b>State:</b> West Bengal	<b>District:</b> Haora
<b>Class:</b> 8	<b>Subject:</b> Mathematics
<b>Schools:</b> 51	<b>Students:</b> 1083


### Participation/Coverage


#### Students

<b>GENDER</b> 	Boys		Girls	
	Number	%	Number	%
	512	47.28	571	52.72

<b>AREA</b> 	Rural		Urban	
	Number	%	Number	%
	799	73.78	284	26.22

<b>CATEGORY</b> 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	259	23.92	9	0.83	81	7.48	734	67.77

<b>CWSN</b> 	LD	VI	HI	S&LD	ID	Oth
	0	1	2	3	1	1

<b>Management</b> 	Government		Government-aided	
	Number	%	Number	%
	342	31.58	741	68.42

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

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
36.76	39.82	34.02	36.57	37.30	35.13	37.52	39.23	24.44	35.88	36.14

## Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	34.26
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	40.56
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.	33.64
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	32.41
M702	Interprets the division and multiplication of fractions	36.29
M705	Solves problems related to daily life situations involving rational numbers	26.87
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	25.23
M707	Adds/subtracts algebraic expressions	53.19
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	31.68
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	33.33
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	45.90
M721	Interprets data using bar graph	49.91
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	26.70
M802	Finds rational numbers between two given rational numbers	42.73
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	39.63
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	31.68
M808	Uses various algebraic identities in solving problems of daily life	50.28
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	30.75
M818	Finds surface area and volume of cuboidal and cylindrical object	28.55
M819	Draws and interprets bar charts and pie charts	36.20

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
470	43.40	377	34.81	157	14.50	79	7.29

## Lowest Performing Learning Outcomes (LOs)

- 1 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (25.23)
- 2 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (26.70)
- 3 - Solves problems related to daily life situations involving rational numbers (26.87)

4 - Finds surface area and volume of cuboidal and cylindrical object (28.55)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (30.75)