



District Report Card: 2017


State: Haryana	District: Sonipat
Class: 8	Subject: Mathematics
Schools: 43	Students: 1017


Participation/Coverage


Students

<div>GENDER</div> <div></div>	Boys		Girls	
	Number	%	Number	%
	441	43.36	576	56.64

<div>AREA</div> <div></div>	Rural		Urban	
	Number	%	Number	%
	780	76.70	237	23.30

<div>CATEGORY</div> <div></div>	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	431	42.38	1	0.10	398	39.13	187	18.39

<div>CWSN</div> <div></div>	LD	VI	HI	S&LD	ID	Oth
	1	4	0	3	4	5

<div>Management</div> <div></div>	Government		Government-aided	
	Number	%	Number	%
	968	95.18	49	4.82

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
34.75	38.37	31.98	36.34	29.51	35.36	22.72	33.07	53.33	34.74	38.54

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	34.77
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	32.02
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.	40.37
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	30.45
M702	Interprets the division and multiplication of fractions	29.99
M705	Solves problems related to daily life situations involving rational numbers	31.56
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	25.98
M707	Adds/subtracts algebraic expressions	39.23
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	28.15
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	30.65
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	47.58
M721	Interprets data using bar graph	42.91
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	28.15
M802	Finds rational numbers between two given rational numbers	31.30
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	52.26
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	37.40
M808	Uses various algebraic identities in solving problems of daily life	40.94
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	27.20
M818	Finds surface area and volume of cuboidal and cylindrical object	13.58
M819	Draws and interprets bar charts and pie charts	33.43

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
480	47.20	305	29.99	166	16.32	66	6.49

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (13.58)
- 2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (25.98)
- 3 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (27.20)

4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (28.15)

5 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (28.15)