NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING
NATIONAL ACHIEVEMENT SURVEY - NAS
(Survey of Learning Outcomes)

District Report Card: 2017	
State: Himachal Pradesh	**District:** Bilaspur (h.p.)
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 968

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	472	48.76	496	51.24

AREA	Rural		Urban	
	Number	%	Number	%
	905	93.49	63	6.51

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	324	33.47	26	2.69	69	7.13	549	56.71

CWSN	LD	VI	HI	S&LD	ID	Oth
	3	5	5	3	12	2

Management	Government		Government-aided	
	Number	%	Number	%
	968	100.00	0	0.00

Average Performance of Students in Mathematics (%)										
Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
35.07	35.59	34.57	35.27	32.17	35.07	0.00	34.20	41.03	31.98	35.69

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	30.58
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	34.71
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.	33.82
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	26.65
M702	Interprets the division and multiplication of fractions	41.22
M705	Solves problems related to daily life situations involving rational numbers	27.58
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	25.41
M707	Adds/subtracts algebraic expressions	41.53
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	23.97
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	27.07
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	52.34
M721	Interprets data using bar graph	48.35
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	32.44
M802	Finds rational numbers between two given rational numbers	26.86
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	37.19
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	34.71
M808	Uses various algebraic identities in solving problems of daily life	46.07
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	30.65
M818	Finds surface area and volume of cuboidal and cylindrical object	16.12
M819	Draws and interprets bar charts and pie charts	35.43

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
423	43.70	383	39.57	138	14.26	24	2.48

Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (16.12)

2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (23.97)

3 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (25.41)

4 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (26.65)

5 - Finds rational numbers between two given rational numbers (26.86)