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

Government of India
MHRD

NCERT

District Report Card: 2017	
State: Mizoram	**District:** Champhai
Class: 8	**Subject:** Mathematics
Schools: 54	**Students:** 866

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	436	50.35	430	49.65

AREA	Rural		Urban	
	Number	%	Number	%
	546	63.05	320	36.95

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	0	0.00	866	100.00	0	0.00	0	0.00

CWSN	LD	VI	HI	S&LD	ID	Oth
	1	7	1	2	0	0

Management	Government		Government-aided	
	Number	%	Number	%
	809	93.42	57	6.58

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
35.98	**34.98**	**36.99**	**32.92**	**41.21**	**35.64**	**40.82**	**0.00**	**35.98**	**0.00**	**0.00**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	32.41
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	29.66
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.	28.98
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	31.49
M702	Interprets the division and multiplication of fractions	35.91
M705	Solves problems related to daily life situations involving rational numbers	33.72
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	13.69
M707	Adds/subtracts algebraic expressions	38.45
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	29.23
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	31.03
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	52.57
M721	Interprets data using bar graph	54.29
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	28.77
M802	Finds rational numbers between two given rational numbers	25.52
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	43.45
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	35.50
M808	Uses various algebraic identities in solving problems of daily life	41.30
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	30.59
M818	Finds surface area and volume of cuboidal and cylindrical object	38.75
M819	Draws and interprets bar charts and pie charts	45.84

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
330	38.11	373	43.07	155	17.90	8	0.92

Lowest Performing Learning Outcomes (LOs)

1 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (13.69)

2 - Finds rational numbers between two given rational numbers (25.52)

3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (28.77)

4 - Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc. (28.98)

5 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (29.23)

CSWN: **LD-** Locomotor Disability; **VI-** Visual Impairment; **HI-** Hearing Impairment;
          S&LD- Speech and Language Disability; **ID-** Intellectual Disability; **Oth-** Other Disability.