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

District Report Card: 2017	
State: Tamil Nadu	**District:** Sivaganga
Class: 8	**Subject:** Mathematics
Schools: 50	**Students:** 1123

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	515	45.86	608	54.14

AREA	Rural		Urban	
	Number	%	Number	%
	726	64.65	397	35.35

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	217	19.32	0	0.00	870	77.47	36	3.21

CWSN	LD	VI	HI	S&LD	ID	Oth
	0	0	0	0	0	0

Management	Government		Government-aided	
	Number	%	Number	%
	560	49.87	563	50.13

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
36.50	**36.92**	**36.14**	**35.74**	**37.88**	**32.64**	**40.33**	**36.25**	**0.00**	**36.61**	**35.19**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	32.09
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	27.63
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.	35.15
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	30.12
M702	Interprets the division and multiplication of fractions	45.33
M705	Solves problems related to daily life situations involving rational numbers	37.76
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	23.13
M707	Adds/subtracts algebraic expressions	33.48
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	19.04
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	30.30
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	49.52
M721	Interprets data using bar graph	47.86
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	27.58
M802	Finds rational numbers between two given rational numbers	37.54
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	40.29
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	33.27
M808	Uses various algebraic identities in solving problems of daily life	50.18
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	28.09
M818	Finds surface area and volume of cuboidal and cylindrical object	32.92
M819	Draws and interprets bar charts and pie charts	45.77

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
489	43.54	411	36.60	149	13.27	74	6.59

Lowest Performing Learning Outcomes (LOs)

1 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (19.04)

2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (23.13)

3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (27.58)

4 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (27.63)

5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (28.09)