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: Maharashtra	**District:** Nanded
Class: 8	**Subject:** Mathematics
Schools: 51	**Students:** 1322

Participation/Coverage

Students

GENDER	Boys		Girls	
	Number	%	Number	%
	681	51.51	641	48.49

AREA	Rural		Urban	
	Number	%	Number	%
	739	55.90	583	44.10

CATEGORY	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	257	19.44	114	8.62	446	33.74	505	38.20

CWSN	LD	VI	HI	S&LD	ID	Oth
	2	15	0	1	2	52

Management	Government		Government-aided	
	Number	%	Number	%
	237	17.93	1085	82.07

Average Performance of Students in Mathematics (%)										
Overall	**Gender**		**Area**		**Management**		**Social Group**			
	Male	**Female**	**Rural**	**Urban**	**Govt.**	**Aided**	**SC**	**ST**	**OBC**	**GEN**
38.94	**39.38**	**38.46**	**40.57**	**36.87**	**35.13**	**39.77**	**37.48**	**35.67**	**39.82**	**39.63**

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	36.25
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	27.34
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.	35.23
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	35.02
M702	Interprets the division and multiplication of fractions	36.23
M705	Solves problems related to daily life situations involving rational numbers	36.61
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	33.23
M707	Adds/subtracts algebraic expressions	44.93
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	31.45
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	27.96
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	52.05
M721	Interprets data using bar graph	53.95
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	29.81
M802	Finds rational numbers between two given rational numbers	33.08
M803	Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11	43.93
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	46.35
M808	Uses various algebraic identities in solving problems of daily life	44.11
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	39.08
M818	Finds surface area and volume of cuboidal and cylindrical object	32.49
M819	Draws and interprets bar charts and pie charts	39.18

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
497	37.59	492	37.22	267	20.20	66	4.99

Lowest Performing Learning Outcomes (LOs)

1 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (27.34)

2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (27.96)

3 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (29.81)

4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (31.45)

5 - Finds surface area and volume of cuboidal and cylindrical object (32.49)

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