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

| District Report Card: 2017 | |
|---|---|
| **State:** Maharashtra | **District:** Nagpur |
| **Class:** 5 | **Subject:** Mathematics |
| **Schools:** 61 | **Students:** 1508 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 743 | 49.27 | 765 | 50.73 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 491 | 32.56 | 1017 | 67.44 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 256 | 16.98 | 162 | 10.74 | 794 | 52.65 | 296 | 19.63 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 0 | 7 | 1 | 0 | 1 | 3 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 166 | 11.01 | 1342 | 88.99 |

| Average Performance of Students in Mathematics (%) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 48.73 | 48.84 | 48.62 | 46.37 | 49.87 | 58.43 | 47.53 | 53.26 | 54.65 | 46.06 | 48.72 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| M401 | Applies operations of numbers in daily life situations | 39.79 |
| M412 | Explores the area and perimeter of simple geometrical shapes (triangle, rectangle, square) in terms of given shape as a unit | 45.72 |
| M418 | Calculates time intervals/duration of familiar daily life events by using forward or backward counting/addition and subtraction | 61.93 |
| M421 | Represent the collected information in tables and bar graphs and draws inferences from these | 58.89 |
| M501 | Reads and writes numbers bigger than 1000 being used in her/his surroundings | 51.13 |
| M504 | Estimates sum, difference, product and quotient of numbers and verifies the same using different strategies like using standard algorithms or breaking a number and then using operation | 39.39 |
| M505 | Finds the number corresponding to part of a collection | 43.91 |
| M506 | Identifies and forms equivalent fractions of a given fraction | 43.37 |
| M508 | Converts fractions into decimals and vice versa | 57.84 |
| M509 | Classifies angles into right angle, acute angle, obtuse angle and represents the same by drawing and tracing | 53.88 |
| M512 | Relates different commonly used larger and smaller units of length, weight and volume and converts larger units to smaller units and vice versa | 49.67 |
| M513 | Estimates the volume of a solid body in known units. | 31.62 |
| M514 | Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals | 42.44 |
| M515 | Identifies the pattern in triangular numbers and square number | 45.95 |
| M516 | Collects data related to various daily life situations, represents it in tabular form and as bar graphs and interprets it | 68.09 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 379 | 25.13 | 450 | 29.84 | 451 | 29.91 | 228 | 15.12 |

## Lowest Performing Learning Outcomes (LOs)

1 - Estimates the volume of a solid body in known units. (31.62)

2 - Estimates sum, difference, product and quotient of numbers and verifies the same using different strategies like using standard algorithms or breaking a number and then using operation (39.39)

3 - Applies operations of numbers in daily life situations (39.79)

4 - Applies the four fundamental arithmetic operations in solving problems involving money, length, mass, capacity and time intervals (42.44)

5 - Identifies and forms equivalent fractions of a given fraction (43.37)

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