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

| District Report Card: 2017 | |
|---|---|
| **State:** Odisha | **District:** Dhenkanal |
| **Class:** 3 | **Subject:** Mathematics |
| **Schools:** 59 | **Students:** 901 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 451 | 50.06 | 450 | 49.94 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 864 | 95.89 | 37 | 4.11 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 224 | 24.86 | 238 | 26.42 | 366 | 40.62 | 73 | 8.10 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 1 | 3 | 0 | 3 | 10 | 5 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 872 | 96.78 | 29 | 3.22 |

| Average Performance of Students in Mathematics (%) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 48.56 | 48.14 | 48.98 | 47.59 | 71.17 | 49.06 | 33.56 | 41.99 | 40.45 | 55.59 | 59.91 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| M301 | Reads and writes numbers up to 999 using place value | 50.44 |
| M302 | Compares numbers up to 999 based on their place values | 60.82 |
| M303 | Solves simple daily life problems using addition and subtraction of three digit numbers with and without regrouping | 42.48 |
| M304 | Constructs and uses the multiplication facts (up till 10) in daily life situations | 51.05 |
| M305 | Analyses and applies an appropriate number operation in the situation/ context | 45.73 |
| M306 | Explains the meaning of division facts by equal grouping/sharing and finds it by repeated subtraction | 44.06 |
| M309 | Identifies and makes 2D-shapes by paper folding, paper cutting on the dot grid, using straight lines etc. | 61.90 |
| M311 | Fills a given region leaving no gaps using a tile of a given shape | 13.25 |
| M312 | Estimates and measures length and distance using standard units like centimeters or meters & identifies relationships | 28.57 |
| M317 | Reads the time correctly to the hour using a clock/watch | 54.72 |
| M318 | Extends patterns in simple shapes and numbers | 41.29 |
| M319 | Records data using tally marks, represents pictorially and draws conclusions | 68.04 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 258 | 28.63 | 209 | 23.20 | 250 | 27.75 | 184 | 20.42 |

## Lowest Performing Learning Outcomes (LOs)

1 - Fills a given region leaving no gaps using a tile of a given shape (13.25)

2 - Estimates and measures length and distance using standard units like centimeters or meters & identifies relationships (28.57)

3 - Extends patterns in simple shapes and numbers (41.29)

4 - Solves simple daily life problems using addition and subtraction of three digit numbers with and without regrouping (42.48)

5 - Explains the meaning of division facts by equal grouping/sharing and finds it by repeated subtraction (44.06)

---

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