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

| District Report Card: 2017 | |
|---|---|
| **State:** Jammu And Kashmir | **District:** Ganderbal |
| **Class:** 8 | **Subject:** Mathematics |
| **Schools:** 48 | **Students:** 625 |

## Participation/Coverage

**Students**

| GENDER | Boys | | Girls | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 275 | 44.00 | 350 | 56.00 |

| AREA | Rural | | Urban | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 606 | 96.96 | 19 | 3.04 |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|---|---|---|---|---|---|---|---|---|
| | Number | % | Number | % | Number | % | Number | % |
| | 4 | 0.64 | 169 | 27.04 | 130 | 20.80 | 322 | 51.52 |

| CWSN | LD | VI | HI | S&LD | ID | Oth |
|---|---|---|---|---|---|---|
| | 1 | 3 | 1 | 2 | 0 | 1 |

| Management | Government | | Government-aided | |
|---|---|---|---|---|
| | Number | % | Number | % |
| | 625 | 100.00 | 0 | 0.00 |

| Average Performance of Students in Mathematics (%) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Overall | Gender | | Area | | Management | | Social Group | | | |
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 44.76 | 48.53 | 41.79 | 44.40 | 56.14 | 44.76 | 0.00 | 38.33 | 45.68 | 36.21 | 47.81 |

# Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|---|---|---|
| M601 | Solves problems involving large numbers by applying appropriate operations | 48.99 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 48.66 |
| 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. | 47.89 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 36.91 |
| M702 | Interprets the division and multiplication of fractions | 43.52 |
| M705 | Solves problems related to daily life situations involving rational numbers | 41.76 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 31.19 |
| M707 | Adds/subtracts algebraic expressions | 61.44 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 35.17 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 35.91 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 55.80 |
| M721 | Interprets data using bar graph | 45.87 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 45.87 |
| M802 | Finds rational numbers between two given rational numbers | 46.79 |
| M803 | Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11 | 52.35 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 52.29 |
| M808 | Uses various algebraic identities in solving problems of daily life | 40.06 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 37.27 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 23.85 |
| M819 | Draws and interprets bar charts and pie charts | 42.24 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 213 | 34.08 | 150 | 24.00 | 180 | 28.80 | 82 | 13.12 |

## Lowest Performing Learning Outcomes (LOs)

1 - Finds surface area and volume of cuboidal and cylindrical object (23.85)

2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (31.19)

3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (35.17)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (35.91)

5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (36.91)