



District Report Card: 2017


| | |
|---------------------------|-----------------------------|
| State: Uttarakhand | District: Chamoli |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 903 |


Participation/Coverage


Students

| | | | | |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys | | Girls | |
| | Number | % | Number | % |
| | 418 | 46.29 | 485 | 53.71 |

| | | | | |
|---|--------|-------|--------|-------|
| <div>AREA</div> <div></div> | Rural | | Urban | |
| | Number | % | Number | % |
| | 803 | 88.93 | 100 | 11.07 |

| | | | | | | | | |
|--|--------|-------|--------|------|--------|------|--------|-------|
| <div>CATEGORY</div> <div></div> | SC | | ST | | OBC | | GEN | |
| | Number | % | Number | % | Number | % | Number | % |
| | 320 | 35.44 | 5 | 0.55 | 15 | 1.66 | 563 | 62.35 |

| | | | | | | |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
| | 2 | 1 | 1 | 0 | 1 | 9 |

| | | | | |
|--|------------|-------|------------------|------|
| <div>Management</div> <div></div> | Government | | Government-aided | |
| | Number | % | Number | % |
| | 873 | 96.68 | 30 | 3.32 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 38.85 | 38.66 | 39.01 | 39.00 | 37.67 | 38.98 | 34.89 | 37.06 | 38.67 | 37.33 | 39.91 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 34.61 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 44.04 |
| 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. | 38.95 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 37.75 |
| M702 | Interprets the division and multiplication of fractions | 36.99 |
| M705 | Solves problems related to daily life situations involving rational numbers | 32.23 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 38.43 |
| M707 | Adds/subtracts algebraic expressions | 49.39 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 32.75 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 39.10 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 45.33 |
| M721 | Interprets data using bar graph | 49.56 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 36.68 |
| M802 | Finds rational numbers between two given rational numbers | 33.62 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 44.94 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 43.45 |
| M808 | Uses various algebraic identities in solving problems of daily life | 46.51 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 33.01 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 21.18 |
| M819 | Draws and interprets bar charts and pie charts | 36.99 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 334 | 36.99 | 325 | 35.99 | 207 | 22.92 | 37 | 4.10 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (21.18)
- 2 - Solves problems related to daily life situations involving rational numbers (32.23)
- 3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (32.75)

- 4 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (33.01)
- 5 - Finds rational numbers between two given rational numbers (33.62)