

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



| District Report Card: 2017 | | | | |
|----------------------------|-------------------------|--|--|--|
| State: Himachal Pradesh | District: Lahul & Spiti | | | |
| Class: 8 | Subject: Mathematics | | | |
| Schools: 16 | Students: 120 | | | |

Participation/Coverage

Students

| GENDER | Воу | 'S | Girls | | |
|--------|--------|-------|--------|-------|--|
| | Number | % | Number | % | |
| N II | 42 | 35.00 | 78 | 65.00 | |
| | 1 | | 1 | | |

| AREA | Rui | ral | Urban | | |
|------|--------|--------|--------|------|--|
| | Number | % | Number | % | |
| | 120 | 100.00 | 0 | 0.00 | |

| CATEGORY | SC | | ST | | OBC | | GEN | |
|----------|--------|------|--------|-------|--------|------|--------|------|
| | Number | % | Number | % | Number | % | Number | % |
| | 8 | 6.67 | 110 | 91.67 | 0 | 0.00 | 2 | 1.67 |

| cwsn & 60 9 | LD | VI | HI | S&LD | ID | Oth |
|-----------------------|----|----|----|------|----|-----|
| ₽ » ♣ 🛉 | 0 | 0 | 0 | 0 | 0 | 0 |

| Management | Goverr | nment | Government-aided | | |
|------------|--------|--------|------------------|------|--|
| | Number | % | Number | % | |
| | 120 | 100.00 | 0 | 0.00 | |

| | Average Performance of Students in Mathematics (%) | | | | | | | | | |
|---------|--|--------|-------|-------|-------|--------|-------|-------|---------|-------|
| Overall | Gender | | Ar | ea | Manag | jement | | Socia | l Group | |
| Overall | Male | Female | Rural | Urban | Govt. | Aided | sc | ST | ОВС | GEN |
| 29.28 | 28.73 | 29.57 | 29.28 | 0.00 | 29.28 | 0.00 | 25.83 | 29.76 | 0.00 | 16.67 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|----------------------|--|---------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 26.98 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 30.16 |
| 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. | 25.68 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 22.22 |
| M702 | Interprets the division and multiplication of fractions | 35.83 |
| M705 | Solves problems related to daily life situations involving rational numbers | 15.83 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 14.04 |
| M707 | Adds/subtracts algebraic expressions | 31.67 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 17.54 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 23.81 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 44.81 |
| M721 | Interprets data using bar graph | 38.60 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 29.82 |
| M802 | Finds rational numbers between two given rational numbers | 26.32 |
| M803 | Proves divisibility rules of 2, 3,4, 5, 6, 9 and 11 | 38.10 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 35.09 |
| M808 | Uses various algebraic identities in solving problems of daily life | 61.40 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 22.95 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 12.28 |
| M819 | Draws and interprets bar charts and pie charts | 27.50 |

| Range of Performance of Students who Answered Correctly | | | | | | | | | |
|---|-------|--------|-------|--------|-----------|--------|------|--|--|
| Below 30% 30% - 50% | | | 50% - | 75% | Above 75% | | | | |
| Number | % | Number | % | Number | % | Number | % | | |
| 62 | 51.67 | 50 | 41.67 | 8 | 6.67 | 0 | 0.00 | | |

Lowest Performing Learning Outcomes (LOs)

- 1 Finds surface area and volume of cuboidal and cylindrical object (12.28)
- 2 Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (14.04)
- 3 Solves problems related to daily life situations involving rational numbers (15.83)

| 4 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (17.54) | |
|---|--|
| 5 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (22.22) | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

CSWN: