



District Report Card: 2017


| | |
|-----------------------|-----------------------------|
| State: Mizoram | District: Serchhip |
| Class: 8 | Subject: Mathematics |
| Schools: 49 | Students: 651 |


Participation/Coverage


Students

| | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------|--------|--|-------|--|--------|--|-------|--|
| <div>GENDER</div> <div></div> | Boys | | | | Girls | | | |
| | Number | | % | | Number | | % | |
| | 348 | | 53.46 | | 303 | | 46.54 | |

| | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------|--------|--|-------|--|--------|--|-------|--|
| <div>AREA</div> <div></div> | Rural | | | | Urban | | | |
| | Number | | % | | Number | | % | |
| | 372 | | 57.14 | | 279 | | 42.86 | |

| | | | | | | | | |
|--------------------------------------------------------------------------------------------------------------------|--------|------|--------|--------|--------|------|--------|------|
| <div>CATEGORY</div> <div></div> | SC | | ST | | OBC | | GEN | |
| | Number | % | Number | % | Number | % | Number | % |
| | 0 | 0.00 | 651 | 100.00 | 0 | 0.00 | 0 | 0.00 |

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

| | | | | | | |
|----------------------------------------------------------------------------------------------------------------------|------------|--|-------|------------------|--|-------|
| <div>Management</div> <div></div> | Government | | | Government-aided | | |
| | Number | | % | Number | | % |
| | 491 | | 75.42 | 160 | | 24.58 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 33.73 | 32.51 | 35.14 | 35.27 | 31.68 | 32.61 | 37.17 | 0.00 | 33.73 | 0.00 | 0.00 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 34.13 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 28.14 |
| 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. | 24.67 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 23.35 |
| M702 | Interprets the division and multiplication of fractions | 29.80 |
| M705 | Solves problems related to daily life situations involving rational numbers | 37.79 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 18.93 |
| M707 | Adds/subtracts algebraic expressions | 33.95 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 19.24 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 28.74 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 55.43 |
| M721 | Interprets data using bar graph | 41.96 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 28.71 |
| M802 | Finds rational numbers between two given rational numbers | 24.92 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 35.03 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 39.12 |
| M808 | Uses various algebraic identities in solving problems of daily life | 35.96 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 28.43 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 38.49 |
| M819 | Draws and interprets bar charts and pie charts | 43.16 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---------------------------------------------------------|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 258 | 39.63 | 322 | 49.46 | 68 | 10.45 | 3 | 0.46 |

Lowest Performing Learning Outcomes (LOs)

- 1 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (18.93)
- 2 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (19.24)
- 3 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (23.35)

- 4 - Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc. (24.67)
- 5 - Finds rational numbers between two given rational numbers (24.92)