



### District Report Card: 2017


|                                |                             |
|--------------------------------|-----------------------------|
| <b>State:</b> Himachal Pradesh | <b>District:</b> Una        |
| <b>Class:</b> 8                | <b>Subject:</b> Mathematics |
| <b>Schools:</b> 51             | <b>Students:</b> 1104       |


### Participation/Coverage


#### Students

|  |        |       |        |       |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys   |       | Girls  |       |
|  | Number | %     | Number | %     |
|  | 619    | 56.07 | 485    | 43.93 |

|   |        |       |        |      |
|---|--------|-------|--------|------|
| <div>AREA</div> <div></div> | Rural  |       | Urban  |      |
|   | Number | %     | Number | %    |
|   | 1055   | 95.56 | 49     | 4.44 |

|  |        |       |        |      |        |       |        |       |
|--|--------|-------|--------|------|--------|-------|--------|-------|
| <div>CATEGORY</div> <div></div> | SC     |       | ST     |      | OBC    |       | GEN    |       |
|  | Number | %     | Number | %    | Number | %     | Number | %     |
|  | 373    | 33.79 | 10     | 0.91 | 320    | 28.99 | 401    | 36.32 |

|  |    |    |    |      |    |     |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
|  | 0  | 1  | 1  | 4    | 5  | 0   |

|  |            |        |                  |      |
|--|------------|--------|------------------|------|
| <div>Management</div> <div></div> | Government |        | Government-aided |      |
|  | Number     | %      | Number           | %    |
|  | 1104       | 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   |
| 35.58   | 34.83  | 36.54  | 35.74 | 32.11 | 35.58      | 0.00  | 33.85        | 35.33 | 37.02 | 36.04 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| M601              | Solves problems involving large numbers by applying appropriate operations   | 27.98                  |
| M606              | Solves problems on daily life situations involving addition and subtraction of fractions / decimals                                    | 37.91                  |
| 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. | 33.66                  |
| M621              | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them                                | 26.53                  |
| M702              | Interprets the division and multiplication of fractions  | 40.13                  |
| M705              | Solves problems related to daily life situations involving rational numbers  | 29.08                  |
| M706              | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers                           | 26.00                  |
| M707              | Adds/subtracts algebraic expressions   | 43.03                  |
| M710              | Solves problems related to conversion of percentage to fraction and decimal and vice versa   | 26.36                  |
| M717              | Finds out approximate area of closed shapes by using unit square grid/graph sheet  | 29.78                  |
| M719              | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode                        | 50.42                  |
| M721              | Interprets data using bar graph  | 48.00                  |
| M801              | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns                      | 32.55                  |
| M802              | Finds rational numbers between two given rational numbers  | 30.73                  |
| M803              | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11   | 44.95                  |
| M804              | Finds squares, cubes, square roots and cube roots of numbers using different methods   | 38.55                  |
| M808              | Uses various algebraic identities in solving problems of daily life  | 49.09                  |
| M812              | Verifies properties of parallelogram and establishes the relationship between them through reasoning                                   | 28.47                  |
| M818              | Finds surface area and volume of cuboidal and cylindrical object   | 21.82                  |
| M819              | Draws and interprets bar charts and pie charts   | 32.52                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |      |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |      |
| Number  | %     | Number    | %     | Number    | %     | Number    | %    |
| 475   | 43.03 | 409       | 37.05 | 203       | 18.39 | 17        | 1.54 |

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (21.82)
- 2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (26.00)
- 3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (26.36)

- 4 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (26.53)
- 5 - Solves problems involving large numbers by applying appropriate operations (27.98)