



### District Report Card: 2017


|                             |                                 |
|-----------------------------|---------------------------------|
| <b>State:</b> Uttar Pradesh | <b>District:</b> Ambedkar Nagar |
| <b>Class:</b> 8             | <b>Subject:</b> Mathematics     |
| <b>Schools:</b> 51          | <b>Students:</b> 1415           |


### Participation/Coverage


#### Students

| <div>GENDER</div> <div></div> | Boys   |       | Girls  |       |
|--|--------|-------|--------|-------|
|  | Number | %     | Number | %     |
|  | 591    | 41.77 | 824    | 58.23 |

| <div>AREA</div> <div></div> | Rural  |       | Urban  |      |
|---|--------|-------|--------|------|
|   | Number | %     | Number | %    |
|   | 1326   | 93.71 | 89     | 6.29 |

| <div>CATEGORY</div> <div></div> | SC     |       | ST     |      | OBC    |       | GEN    |      |
|--|--------|-------|--------|------|--------|-------|--------|------|
|  | Number | %     | Number | %    | Number | %     | Number | %    |
|  | 465    | 32.86 | 13     | 0.92 | 798    | 56.40 | 139    | 9.82 |

| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
|--|----|----|----|------|----|-----|
|  | 2  | 1  | 6  | 3    | 4  | 64  |

| <div>Management</div> <div></div> | Government |       | Government-aided |       |
|--|------------|-------|------------------|-------|
|  | Number     | %     | Number           | %     |
|  | 723        | 51.10 | 692              | 48.90 |

### Average Performance of Students in Mathematics (%)

| Overall | Gender |        | Area  |       | Management |       | Social Group |       |       |       |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
|         | Male   | Female | Rural | Urban | Govt.      | Aided | SC           | ST    | OBC   | GEN   |
| 56.57   | 58.30  | 55.33  | 55.63 | 70.64 | 54.19      | 59.06 | 54.15        | 28.21 | 57.89 | 59.76 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| M601              | Solves problems involving large numbers by applying appropriate operations   | 53.97                  |
| M606              | Solves problems on daily life situations involving addition and subtraction of fractions / decimals                                    | 60.96                  |
| 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. | 63.82                  |
| M621              | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them                                | 61.23                  |
| M702              | Interprets the division and multiplication of fractions  | 60.42                  |
| M705              | Solves problems related to daily life situations involving rational numbers  | 63.18                  |
| M706              | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers                           | 59.27                  |
| M707              | Adds/subtracts algebraic expressions   | 70.60                  |
| M710              | Solves problems related to conversion of percentage to fraction and decimal and vice versa   | 58.54                  |
| M717              | Finds out approximate area of closed shapes by using unit square grid/graph sheet  | 55.21                  |
| M719              | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode                        | 61.21                  |
| M721              | Interprets data using bar graph  | 66.42                  |
| M801              | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns                      | 44.09                  |
| M802              | Finds rational numbers between two given rational numbers  | 59.27                  |
| M803              | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11   | 67.26                  |
| M804              | Finds squares, cubes, square roots and cube roots of numbers using different methods   | 63.21                  |
| M808              | Uses various algebraic identities in solving problems of daily life  | 34.45                  |
| M812              | Verifies properties of parallelogram and establishes the relationship between them through reasoning                                   | 49.18                  |
| M818              | Finds surface area and volume of cuboidal and cylindrical object   | 37.66                  |
| M819              | Draws and interprets bar charts and pie charts   | 31.45                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |       |
|---|-------|-----------|-------|-----------|-------|-----------|-------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |       |
| Number  | %     | Number    | %     | Number    | %     | Number    | %     |
| 262   | 18.52 | 278       | 19.65 | 486       | 34.35 | 389       | 27.49 |

## Lowest Performing Learning Outcomes (LOs)

- 1 - Draws and interprets bar charts and pie charts (31.45)
- 2 - Uses various algebraic identities in solving problems of daily life (34.45)
- 3 - Finds surface area and volume of cuboidal and cylindrical object (37.66)

- 4 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (44.09)
- 5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (49.18)