



### District Report Card: 2017


|                     |                             |
|---------------------|-----------------------------|
| <b>State:</b> Bihar | <b>District:</b> Gopalganj  |
| <b>Class:</b> 8     | <b>Subject:</b> Mathematics |
| <b>Schools:</b> 51  | <b>Students:</b> 1236       |


### Participation/Coverage


#### Students

|  |        |       |        |       |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys   |       | Girls  |       |
|  | Number | %     | Number | %     |
|  | 457    | 36.97 | 779    | 63.03 |

|   |        |       |        |      |
|---|--------|-------|--------|------|
| <div>AREA</div> <div></div> | Rural  |       | Urban  |      |
|   | Number | %     | Number | %    |
|   | 1114   | 90.13 | 122    | 9.87 |

|  |        |       |        |      |        |       |        |       |
|--|--------|-------|--------|------|--------|-------|--------|-------|
| <div>CATEGORY</div> <div></div> | SC     |       | ST     |      | OBC    |       | GEN    |       |
|  | Number | %     | Number | %    | Number | %     | Number | %     |
|  | 161    | 13.03 | 68     | 5.50 | 817    | 66.10 | 190    | 15.37 |

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

|  |            |       |                  |      |
|--|------------|-------|------------------|------|
| <div>Management</div> <div></div> | Government |       | Government-aided |      |
|  | Number     | %     | Number           | %    |
|  | 1210       | 97.90 | 26               | 2.10 |

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

| Overall | Gender |        | Area  |       | Management |       | Social Group |       |       |       |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
|         | Male   | Female | Rural | Urban | Govt.      | Aided | SC           | ST    | OBC   | GEN   |
| 45.76   | 46.08  | 45.57  | 45.89 | 44.59 | 46.25      | 22.82 | 47.49        | 38.73 | 45.48 | 48.04 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| M601              | Solves problems involving large numbers by applying appropriate operations   | 45.13                  |
| M606              | Solves problems on daily life situations involving addition and subtraction of fractions / decimals                                    | 59.23                  |
| 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. | 49.51                  |
| M621              | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them                                | 34.40                  |
| M702              | Interprets the division and multiplication of fractions  | 41.10                  |
| M705              | Solves problems related to daily life situations involving rational numbers  | 41.50                  |
| M706              | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers                           | 48.28                  |
| M707              | Adds/subtracts algebraic expressions   | 63.83                  |
| M710              | Solves problems related to conversion of percentage to fraction and decimal and vice versa   | 43.91                  |
| M717              | Finds out approximate area of closed shapes by using unit square grid/graph sheet  | 34.06                  |
| M719              | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode                        | 53.44                  |
| M721              | Interprets data using bar graph  | 59.53                  |
| M801              | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns                      | 38.28                  |
| M802              | Finds rational numbers between two given rational numbers  | 45.63                  |
| M803              | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11   | 52.35                  |
| M804              | Finds squares, cubes, square roots and cube roots of numbers using different methods   | 60.47                  |
| M808              | Uses various algebraic identities in solving problems of daily life  | 32.19                  |
| M812              | Verifies properties of parallelogram and establishes the relationship between them through reasoning                                   | 38.16                  |
| M818              | Finds surface area and volume of cuboidal and cylindrical object   | 16.25                  |
| M819              | Draws and interprets bar charts and pie charts   | 43.85                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |      |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |      |
| Number  | %     | Number    | %     | Number    | %     | Number    | %    |
| 351   | 28.40 | 363       | 29.37 | 410       | 33.17 | 112       | 9.06 |

## Lowest Performing Learning Outcomes (LOs)

- 1 - Finds surface area and volume of cuboidal and cylindrical object (16.25)
- 2 - Uses various algebraic identities in solving problems of daily life (32.19)
- 3 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (34.06)

- 4 - Arranges given/collected information in the form of table, pictograph and bar graph and interprets them (34.40)
- 5 - Verifies properties of parallelogram and establishes the relationship between them through reasoning (38.16)