



### District Report Card: 2017


|                          |                             |
|--------------------------|-----------------------------|
| <b>State:</b> Puducherry | <b>District:</b> Yanam      |
| <b>Class:</b> 8          | <b>Subject:</b> Mathematics |
| <b>Schools:</b> 8        | <b>Students:</b> 221        |


### Participation/Coverage


#### Students

| <br>GENDER | Boys   |       | Girls  |       |
|---|--------|-------|--------|-------|
|   | Number | %     | Number | %     |
|   | 110    | 49.77 | 111    | 50.23 |

| <br>AREA | Rural  |      | Urban  |        |
|--|--------|------|--------|--------|
|  | Number | %    | Number | %      |
|  | 0      | 0.00 | 221    | 100.00 |

| <br>CATEGORY | SC     |       | ST     |      | OBC    |       | GEN    |       |
|---|--------|-------|--------|------|--------|-------|--------|-------|
|   | Number | %     | Number | %    | Number | %     | Number | %     |
|   | 36     | 16.29 | 0      | 0.00 | 146    | 66.06 | 39     | 17.65 |

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

| <br>Management | Government |       | Government-aided |       |
|---|------------|-------|------------------|-------|
|   | Number     | %     | Number           | %     |
|   | 191        | 86.43 | 30               | 13.57 |

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

| Overall | Gender |        | Area  |       | Management |       | Social Group |      |       |       |
|---------|--------|--------|-------|-------|------------|-------|--------------|------|-------|-------|
|         | Male   | Female | Rural | Urban | Govt.      | Aided | SC           | ST   | OBC   | GEN   |
| 37.44   | 35.33  | 39.52  | 0.00  | 37.44 | 34.83      | 54.00 | 35.74        | 0.00 | 36.71 | 41.71 |

## Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description  | Average Performance(%) |
|-------------------|--|------------------------|
| M601              | Solves problems involving large numbers by applying appropriate operations   | 26.61                  |
| M606              | Solves problems on daily life situations involving addition and subtraction of fractions / decimals                                    | 35.78                  |
| 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. | 33.94                  |
| M621              | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them                                | 30.28                  |
| M702              | Interprets the division and multiplication of fractions  | 28.05                  |
| M705              | Solves problems related to daily life situations involving rational numbers  | 42.99                  |
| M706              | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers                           | 30.36                  |
| M707              | Adds/subtracts algebraic expressions   | 41.18                  |
| M710              | Solves problems related to conversion of percentage to fraction and decimal and vice versa   | 33.93                  |
| M717              | Finds out approximate area of closed shapes by using unit square grid/graph sheet  | 28.44                  |
| M719              | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode                        | 50.00                  |
| M721              | Interprets data using bar graph  | 44.64                  |
| M801              | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns                      | 38.39                  |
| M802              | Finds rational numbers between two given rational numbers  | 25.89                  |
| M803              | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11   | 44.04                  |
| M804              | Finds squares, cubes, square roots and cube roots of numbers using different methods   | 54.46                  |
| M808              | Uses various algebraic identities in solving problems of daily life  | 39.29                  |
| M812              | Verifies properties of parallelogram and establishes the relationship between them through reasoning                                   | 33.64                  |
| M818              | Finds surface area and volume of cuboidal and cylindrical object   | 53.57                  |
| M819              | Draws and interprets bar charts and pie charts   | 29.86                  |

| Range of Performance of Students who Answered Correctly |       |           |       |           |       |           |      |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30%   |       | 30% - 50% |       | 50% - 75% |       | Above 75% |      |
| Number  | %     | Number    | %     | Number    | %     | Number    | %    |
| 76  | 34.39 | 95        | 42.99 | 49        | 22.17 | 1         | 0.45 |

### Lowest Performing Learning Outcomes (LOs)

- 1 - Finds rational numbers between two given rational numbers (25.89)
- 2 - Solves problems involving large numbers by applying appropriate operations (26.61)
- 3 - Interprets the division and multiplication of fractions (28.05)

4 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (28.44)

5 - Draws and interprets bar charts and pie charts (29.86)