



District Report Card: 2017


| | |
|---------------------------|-----------------------------|
| State: Maharashtra | District: Ahmadnagar |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1471 |


Participation/Coverage


Students

| | | | | |
|--|--------|-------|--------|-------|
| <div>GENDER</div> <div></div> | Boys | | Girls | |
| | Number | % | Number | % |
| | 807 | 54.86 | 664 | 45.14 |

| | | | | |
|---|--------|-------|--------|-------|
| <div>AREA</div> <div></div> | Rural | | Urban | |
| | Number | % | Number | % |
| | 1170 | 79.54 | 301 | 20.46 |

| | | | | | | | | |
|--|--------|-------|--------|------|--------|-------|--------|-------|
| <div>CATEGORY</div> <div></div> | SC | | ST | | OBC | | GEN | |
| | Number | % | Number | % | Number | % | Number | % |
| | 203 | 13.80 | 92 | 6.25 | 452 | 30.73 | 724 | 49.22 |

| | | | | | | |
|--|----|----|----|------|----|-----|
| <div>CWSN</div> <div></div> | LD | VI | HI | S&LD | ID | Oth |
| | 5 | 2 | 3 | 1 | 0 | 52 |

| | | | | |
|--|------------|------|------------------|-------|
| <div>Management</div> <div></div> | Government | | Government-aided | |
| | Number | % | Number | % |
| | 18 | 1.22 | 1453 | 98.78 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 42.68 | 42.83 | 42.50 | 44.86 | 34.20 | 42.59 | 42.68 | 37.31 | 46.96 | 45.97 | 41.58 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 38.29 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 36.81 |
| 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. | 40.77 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 40.05 |
| M702 | Interprets the division and multiplication of fractions | 42.62 |
| M705 | Solves problems related to daily life situations involving rational numbers | 33.04 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 30.05 |
| M707 | Adds/subtracts algebraic expressions | 53.70 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 30.05 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 41.27 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 51.40 |
| M721 | Interprets data using bar graph | 50.41 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 28.14 |
| M802 | Finds rational numbers between two given rational numbers | 43.44 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 50.07 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 51.91 |
| M808 | Uses various algebraic identities in solving problems of daily life | 50.68 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 41.72 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 37.02 |
| M819 | Draws and interprets bar charts and pie charts | 45.82 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 486 | 33.04 | 513 | 34.87 | 334 | 22.71 | 138 | 9.38 |

Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (28.14)

2 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (30.05)

3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (30.05)

4 - Solves problems related to daily life situations involving rational numbers (33.04)

5 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (36.81)