



District Report Card: 2017


| | |
|-------------------------|---------------------------------|
| State: Karnataka | District: Uttara Kannada |
| Class: 8 | Subject: Mathematics |
| Schools: 51 | Students: 1460 |


Participation/Coverage


Students

| GENDER  | Boys | | Girls | |
|--|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 829 | 56.78 | 631 | 43.22 |

| AREA  | Rural | | Urban | |
|---|--------|-------|--------|-------|
| | Number | % | Number | % |
| | 1002 | 68.63 | 458 | 31.37 |

| CATEGORY  | SC | | ST | | OBC | | GEN | |
|--|--------|------|--------|------|--------|-------|--------|------|
| | Number | % | Number | % | Number | % | Number | % |
| | 117 | 8.01 | 25 | 1.71 | 1253 | 85.82 | 65 | 4.45 |

| CWSN  | LD | VI | HI | S&LD | ID | Oth |
|--|----|----|----|------|----|-----|
| | 7 | 5 | 4 | 3 | 4 | 34 |

| Management  | Government | | Government-aided | |
|--|------------|-------|------------------|-------|
| | Number | % | Number | % |
| | 495 | 33.90 | 965 | 66.10 |

Average Performance of Students in Mathematics (%)

| Overall | Gender | | Area | | Management | | Social Group | | | |
|---------|--------|--------|-------|-------|------------|-------|--------------|-------|-------|-------|
| | Male | Female | Rural | Urban | Govt. | Aided | SC | ST | OBC | GEN |
| 49.83 | 48.51 | 51.56 | 50.47 | 48.43 | 49.55 | 49.97 | 47.81 | 49.87 | 50.18 | 46.56 |

Performance on Learning Outcomes (LOs)

| Learning Outcomes | Description | Average Performance(%) |
|-------------------|--|------------------------|
| M601 | Solves problems involving large numbers by applying appropriate operations | 51.50 |
| M606 | Solves problems on daily life situations involving addition and subtraction of fractions / decimals | 48.63 |
| 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. | 51.05 |
| M621 | Arranges given/collected information in the form of table, pictograph and bar graph and interprets them | 46.31 |
| M702 | Interprets the division and multiplication of fractions | 41.92 |
| M705 | Solves problems related to daily life situations involving rational numbers | 45.48 |
| M706 | Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers | 41.35 |
| M707 | Adds/subtracts algebraic expressions | 54.86 |
| M710 | Solves problems related to conversion of percentage to fraction and decimal and vice versa | 40.38 |
| M717 | Finds out approximate area of closed shapes by using unit square grid/graph sheet | 39.75 |
| M719 | Finds various representative values for simple data from her/his daily life contexts like mean, median and mode | 68.25 |
| M721 | Interprets data using bar graph | 58.52 |
| M801 | Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns | 35.44 |
| M802 | Finds rational numbers between two given rational numbers | 54.53 |
| M803 | Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11 | 59.56 |
| M804 | Finds squares, cubes, square roots and cube roots of numbers using different methods | 52.88 |
| M808 | Uses various algebraic identities in solving problems of daily life | 58.65 |
| M812 | Verifies properties of parallelogram and establishes the relationship between them through reasoning | 41.79 |
| M818 | Finds surface area and volume of cuboidal and cylindrical object | 40.80 |
| M819 | Draws and interprets bar charts and pie charts | 49.32 |

| Range of Performance of Students who Answered Correctly | | | | | | | |
|---|-------|-----------|-------|-----------|-------|-----------|-------|
| Below 30% | | 30% - 50% | | 50% - 75% | | Above 75% | |
| Number | % | Number | % | Number | % | Number | % |
| 314 | 21.51 | 418 | 28.63 | 516 | 35.34 | 212 | 14.52 |

Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (35.44)

2 - Finds out approximate area of closed shapes by using unit square grid/graph sheet (39.75)

3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (40.38)

4 - Finds surface area and volume of cuboidal and cylindrical object (40.80)

5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (41.35)