

# MATH CONTENT



## KINDERGARTEN

4 & 5 years old

### KINDERGARTEN

- Reading, Writing, Comparing and Ordering Numbers.
- Counting.
- Adding and Subtracting.
- Solving Problems.
- Comparing and Ordering Measures.
- Exploring Pattern, Shape and Space.

## LOWER ELEMENTARY

6 to 8 years old

### LOWER ELEMENTARY

#### 1<sup>st</sup> grade

- Place Value.
- Counting and Properties of Numbers.
- Rapid Recall: addition and subtraction.
- Mental Calculation Strategies: addition and subtraction.
- Solving Problems.
- Handling Data.
- Measures.
- Shape and Space.

#### 2<sup>nd</sup> grade

- Place Value.
- Counting and Properties of Numbers.
- Fractions.
- Rapid Recall: addition and subtraction.
- Mental Calculation Strategies: addition and subtraction.
- Rapid Recall: multiplication and division.
- Mental Calculation Strategies: multiplication and division.
- Worded Problems.
- Handling Data.
- Measures.
- Shape and Space.

#### 3<sup>rd</sup> grade

- Place Value.
- Properties of Numbers.
- Fractions.
- Rapid Recall: addition and subtraction.
- Mental Calculation Strategies: addition and subtraction.
- Pencil and Paper: addition.
- Pencil and Paper: subtraction.
- Rapid Recall: multiplication and division.
- Mental Calculation Strategies: multiplication and division.
- Worded Problems.
- Handling Data.
- Measures.
- Shape and Space.



# UPPER ELEMENTARY

9 & 10 years old



## UPPER ELEMENTARY

4<sup>th</sup>  
grade

- Place Value.
- Properties of Numbers.
- Fractions.
- Decimals.
- Rapid Recall: addition and subtraction.
- Mental Calculation Strategies: addition and subtraction.
- Pencil and Paper: addition
- Pencil and Paper: subtraction.
- Rapid Recall: multiplication and division.
- Mental Calculation Strategies: multiplication and division.
- Pencil and Paper: multiplication.
- Pencil and Paper: division.
- Worded Problems.
- Handling Data.
- Measures.
- Shape and Space.

5<sup>th</sup>  
grade

- Place Value.
- Properties of Numbers.
- Fractions.
- Decimals.
- Rapid Recall: addition and subtraction.
- Mental Calculation Strategies: addition and subtraction.
- Pencil and Paper: addition
- Pencil and Paper: subtraction.
- Rapid Recall: multiplication and division.
- Mental Calculation Strategies: multiplication and division.
- Pencil and Paper: multiplication.
- Pencil and Paper: division.
- Worded Problems.
- Handling Data.
- Measures.
- Shape and Space.
- Percentages and Ratio.



# MIDDLE SCHOOL

11 to 13 years old



## MIDDLE SCHOOL

### 6<sup>th</sup> grade

- Place Value.
- Properties of Numbers.
- Fractions.
- Decimals.
- Rapid Recall: addition and subtraction.
- Mental Calculation Strategies: addition and subtraction.
- Pencil and Paper: addition
- Pencil and Paper: subtraction.
- Rapid Recall: multiplication and division.
- Mental Calculation Strategies: multiplication and division.
- Pencil and Paper: multiplication.
- Pencil and Paper: division.
- Worded Problems.
- Handling Data.
- Measures.
- Shape and Space.
- Percentages and Ratio.

### 7<sup>th</sup> grade

- Place Value, Ordering and Rounding.
- Fractions.
- Rapid Recall: addition, subtraction, multiplication and division.
- Mental Calculation Strategies: addition, subtraction, multiplication and division.
- Pencil and Paper: addition and subtraction.
- Pencil and Paper: multiplication and division.
- Solving Problems.
- Handling Data.
- Measures. Shape and Space.
- Percentages and Ratio.
- Using Calculators.
- Integers, Powers and Roots.
- Equations, Formulae and Identities.
- Sequence, Functions and Graphs.
- Probability.

### 8<sup>th</sup> grade

- Place Value, Ordering and Rounding.
- Fractions.
- Rapid Recall: addition, subtraction, multiplication and division.
- Mental Calculation Strategies: addition, subtraction, multiplication and division.
- Pencil and Paper: addition, subtraction, multiplication and division.
- Solving Problems. Handling Data.
- Measures. Shape and Space.
- Percentages, Ratio and Proportion.
- Using Calculators.
- Integers, Powers and Roots.
- Equations, Formulae and Identities.
- Sequence, Functions and Graphs.
- Probability.

