

**Teacher Name:- Gunjal Akshata Devidas**

**Subject Name:- Mathematics**

**Qualification:- Diploma(Information Technology) , Bcs(Computer Science).**

### Mathematics for Primary Classes

Mathematics is a fundamental subject that helps students develop problem-solving skills, logical thinking, and numerical understanding. In primary classes, mathematics focuses on building a strong foundation in basic concepts.

#### **1. Numbers & Counting**

Recognizing numbers (1-100 or more), Counting forward and backward, Odd and even numbers.

#### **2. Basic Arithmetic Operations**

Addition (e.g.,  $5 + 3 = 8$ ), Subtraction (e.g.,  $10 - 4 = 6$ ), Multiplication (e.g.,  $2 \times 3 = 6$ ), Division (e.g.,  $12 \div 4 = 3$ )

#### **3. Place Value & Number System.**

Understanding ones, tens, and hundreds, Writing numbers in words and digits

#### **4. Measurement**

Length (centimeters, meters), Weight (grams, kilograms), Capacity (milliliters, liters), Time (reading clocks, days of the week, months)

#### **5. Shapes & Geometry**

Identifying 2D shapes (circle, square, rectangle, triangle), Identifying 3D shapes (cube, sphere, cylinder), Understanding symmetry and patterns

#### **6. Money**

Recognizing coins and currency notes, Simple money transactions (addition and subtraction)

#### **7. Data Handling**

Reading and drawing simple bar graphs, Understanding pictographs.

#### **8. Fractions (introduced in later primary grades)**

Understanding halves, thirds, and quarters, Simple fraction addition.

#### **9. Word Problems**

Applying math concepts in real-life situations, Solving problems using addition, subtraction, multiplication, and division.

#### **10. Patterns & Sequences.**

Identifying and continuing number patterns, Understanding increasing and decreasing sequences, Importance of Mathematics for Primary Students, Develops logical and analytical thinking, Helps in everyday calculations (money, time, measurement), Improves problem-solving abilities, Builds confidence in handling numbers.