

**Practice Paper: Class-5 Mathematics****Maximum Marks: 50****Section 1: Mental Maths****• Calculations:**

- $\frac{1}{4}$  of  $32 - 20 =$  \_\_\_\_\_
- $32592 \div 1000$ : Quotient (Q) = \_\_\_\_\_, Remainder (R) = \_\_\_\_\_

**• Concepts:**

- Dividing a number by zero is \_\_\_\_\_.
- The smallest prime number of 2 digits is \_\_\_\_\_.
- A number is divisible by 5 if the digit at the ones place is \_\_\_\_\_.
- The only two factors of a prime number are \_\_\_\_\_ and the number itself.
- The only pair of consecutive prime numbers is \_\_\_\_\_.

**• Multiples and Fractions:**

- Write the first common multiple of 6 and 8.
- Write an equivalent fraction of  $\frac{15}{75}$ .
- Write a pair of like fractions.

**• Decimals:**

- Compare and fill in the box with  $>$ ,  $<$  or  $=$ :  $\frac{5}{5} \square \frac{5}{4}$ .
- The digit at the hundredth place in 400.205 is \_\_\_\_\_.
- Write as a decimal: Seventy-two and four thousandths = \_\_\_\_\_.

## Section 2: Arithmetic and Problem Solving

- **Fractions and Divisibility:**

- Convert  $9\frac{3}{8}$  into an improper fraction.
- Check the divisibility of 9540 by 9.
- Arnav finished  $\frac{2}{5}$  of 210 pages of a book. How many pages has he read?

- **Division and Multiplications:**

- A factory owner wants to distribute 27,500 among 100 workers. How much money will each worker get?
- Amrit divided a number by 12 and got the quotient as 120. What is the number?
- Fill in the blanks:
  - $50 \times 500 = 25000$
  - $8 \times \underline{\hspace{2cm}} = 640$
- A company finished its project in 546 days. How many weeks did it take?

## Section 3: Factors, Fractions, and Decimals

- **Factors and Visuals:**

- Write two factors of 24 whose sum is 11.
- Show the fraction  $\frac{7}{10}$  pictorially.

- **Decimal Operations:**

- State the decimal 17.372 in words.
- Write the standard form of:  $70 + 3 + 0.09 + 0.007$ .
- Show the number 62.513 on a place value chart.
- Expand the number 561.47 in two ways.

- **Ordering and Comparison:**

- Arrange the following fractions in descending order:  $\frac{2}{3}$ ,  $\frac{5}{6}$ ,  $\frac{3}{4}$ .
- Meenu and Preeti eat cookies from a jar. Meenu eats  $\frac{2}{5}$  and Preeti eats  $\frac{2}{4}$ . Who eats more and by how much?

## Section 4: Advanced Calculations

- **LCM and HCF:**

- Find the LCM of 40 and 50 by the prime factorization method.
- A shopkeeper has three cakes weighing 40kg, 30kg, and 35kg. He wants to cut them into equal pieces without wastage. What is the maximum possible weight of each piece?

- **Simplification and Multiplication:**

- Solve:  $182 - 130 \div 10 + \frac{1}{5}$  of  $30 + (\frac{3}{5} + \frac{2}{5})$ .
- Find the product using the lattice multiplication method:  $435 \times 321$ .

- **Word Problems:**

- Sophie has to write 2880 emails. She can email 32 every day. How many days will she take?.
- Niru purchased 47.350 kg of wheat and 15.5 kg of rice. What is the total weight of the groceries?

## Section 5: Data and Measurement Analysis

- **School Event Chairs:** At a school event, teachers arranged 6 rows of chairs with 18 chairs in each row. 72 chairs were already occupied by parents. Each ticket costs 250.
  - a) How many chairs were there in all?
  - b) How many chairs were still empty?
  - c) If all occupied chairs had purchased tickets, how much money was collected?
- **Water Bottle Refill:** A bottle holds 2 litres of water. In the morning, it had 1.25 L. Rohan drank 0.75 L. Later, his mother filled 0.50 litres.
  - a) How much water was left after Rohan drank?

- b) How much water was there after the refill?