

Grade 10 - Terminal Exams

Practice Paper 1

Mathematics

Instructions:

- Duration: 2 hours
- Maximum marks: 50
- All questions are compulsory
- Show all your working clearly

Section A: Number Operations

1. Solve the following:

[5 marks]

a) $7,834 + 5,978 =$ _____

b) $9,432 - 6,789 =$ _____

c) $567 \times 24 =$ _____

d) $3,696 \div 16 =$ _____

e) Find the value of $5^3 =$ _____

2. Arrange the following fractions in ascending order:

[5 marks]

$\frac{2}{5}$, $\frac{7}{10}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{4}{5}$

Section B: Fractions and Decimals

3. Convert the following:

[5 marks]

a) $\frac{3}{8}$ to decimal = _____

b) 0.75 to fraction in simplest form = _____

c) 0.125 to fraction in simplest form = _____

d) $\frac{7}{20}$ to decimal = _____

e) 0.36 to fraction in simplest form = _____

4. Solve the following:

[5 marks]

a) $\frac{2}{3} + \frac{1}{6} =$ _____

b) $\frac{5}{8} - \frac{1}{4} =$ _____

c) $\frac{3}{4} \times \frac{2}{3} =$ _____

d) $\frac{2}{5} \div \frac{3}{10} =$ _____

e) $1.25 + 3.75 =$ _____

Section C: Geometry and Measurement

5. Calculate the perimeter and area of a rectangle with length 12 cm and width 8 cm. **[5 marks]**

6. Calculate the perimeter and area of a square with side length 9 cm. **[5 marks]**

7. A circular garden has a radius of 7 meters. Calculate its circumference and area. (Use $\pi = 22/7$) **[5 marks]**

Section D: Word Problems

8. Ravi bought $3\frac{1}{2}$ kg of apples, $2\frac{3}{4}$ kg of oranges, and $1\frac{1}{4}$ kg of grapes. What is the total weight of the fruits he bought? **[5 marks]**

9. A rectangular playground is 25 meters long and 15 meters wide. Find the cost of fencing the playground at the rate of ₹125 per meter. **[5 marks]**

10. Meera had ₹2,500. She spent $\frac{3}{5}$ of her money on books and $\frac{1}{4}$ of the remaining on stationery. How much money does she have left? **[5 marks]**

End of Practice Paper 1

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