Grade 6 - Final Exam

Practice Paper 1

Mathematics

Based on Maharashtra Board Syllabus (NEP 2025-26) - Full Syllabus

Instructions:

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

Section A: Number Systems and Operations (10 Marks)

1. Solve the following: **[5 marks]**

a) Add: 9,87,654 + 1,23,456 = _____

b) Subtract: 7,50,000 - 3,15,876 = _____

c) Multiply: 509 × 76 = _____

d) Divide: 21,600 ÷ 48 = _____

e) Write the number name for 12,34,567. = _____

2. Answer the following: **[5 marks]**

a) Find the HCF of 20 and 50. = _____

b) Find the LCM of 10 and 15. = _____

c) Write the largest 7-digit number. = _____

d) Round off 8,765 to the nearest hundred. = _____

e) Write the predecessor of 10,00,000. = _____

Section B: Integers, Fractions and Decimals (10 Marks)

3. Solve the following integer operations: **[5 marks]**

a) (-12) + 8 = _____

b) (-6) - (-10) = _____

c) (-5) × (-8) = _____

d) 56 ÷ (-7) = _____

e) Arrange in ascending order: -3, 0, -5, 2 = _____

4. Solve the following fraction and decimal operations: **[5 marks]**

a) 1/3 + 5/6 = _____

b) 9/10 - 2/5 = _____

c) 0.75 + 1.2 = _____

d) 5.6 - 3.85 = _____

e) Convert 2 1/5 to a decimal. = _____

Section C: Ratio, Proportion and Algebra (10 Marks)

5. Answer the following ratio and proportion questions: **[5 marks]**

a) Write the ratio of 30 minutes to 2 hours in simplest form. = _____

b) Divide 80 pens between two students in the ratio 3:5. = Student 1: _____ pens, Student 2: _____ pens

c) Check if 4, 12, 5, 15 are in proportion. (Yes/No) = _____

d) If 6 books cost ₹300, what is the cost of 10 books? = ₹_____

e) Find the value of 'p' in the proportion 7:p :: 14:18. = p = _____

6. Solve the following algebraic expressions/equations: **[5 marks]**

a) Write the expression for "the sum of a number x and 9". = _____

b) If y = 7, find the value of 4y - 3. = _____

c) Solve for a: a + 15 = 23. = a = _____

d) Solve for b: 5b = 35. = b = _____

e) Write an equation for "twice a number m is equal to 14". = _____

Section D: Geometry, Measurement and Data Handling (20 Marks)

7. Answer the following geometry questions: **[5 marks]**

a) What is the sum of angles in a hexagon? = _____ degrees

b) Find the complement of 40 degrees. = _____ degrees

c) Find the supplement of 95 degrees. = _____ degrees

d) An angle measuring more than 90 degrees but less than 180 degrees is called an _____ angle.

e) Draw a rough sketch of intersecting lines.

8. Calculate the perimeter and area of the following shapes: **[5 marks]**

a) A square with side 15 cm. = Perimeter: _____ cm, Area: _____ sq cm

b) A rectangle with length 25 cm and width 12 cm. = Perimeter: _____ cm, Area: _____ sq cm

9. Convert the following measurements: **[5 marks]**

a) 8 km 500 m to meters. = _____ m

b) 10 liters 250 ml to milliliters. = _____ ml

c) 7 kg 50 g to grams. = _____ g

d) 5 hours 30 minutes to minutes. = _____ minutes

e) 675 paise to rupees. = ₹_____

10. Look at the bar graph showing the number of students in different **[5 marks]** clubs and answer the questions:

[Imagine a bar graph: Clubs (Sports, Music, Art, Science) on x-axis, Number of Students (0-30) on y-axis. Example data: Sports-25, Music-15, Art-10, Science-20]

a) Which club has the most students? = _____

b) How many students are in the Art club? = _____ students

c) What is the difference between the number of students in the Sports and Music clubs? = _____ students

d) What is the total number of students across all clubs? = _____ students

e) If 5 new students joined the Science club, what would be the total in the Science club? = _____ students

End of Practice Paper 1