Grade 6 - Final Exam

Practice Paper 2

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: 4,12,345 + 5,87,654 = _____

b) Subtract: 9,00,000 - 2,34,567 = _____

c) Multiply: 618 × 85 = _____

d) Divide: 25,920 ÷ 54 = _____

e) Write the expanded form of 8,05,912. = _____

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

a) Find the HCF of 24 and 36. = _____

b) Find the LCM of 8 and 12. = _____

c) Write the smallest 7-digit number using digits 1, 0, 5, 2, 8, 3, 9. = _____

d) Round off 12,456 to the nearest thousand. = _____

e) Write the successor of 99,999. = _____

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

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

a) (-9) + (-6) = _____

b) 18 - (-7) = _____

c) 7 × (-6) = _____

d) (-48) ÷ 8 = _____

e) Arrange in descending order: 4, -2, 0, -7, 1 = _____

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

a) 1/4 + 3/8 = _____

b) 7/12 - 1/3 = _____

c) 2.5 + 0.85 = _____

d) 10.3 - 4.75 = _____

e) Convert 0.4 to a fraction in simplest form. = _____

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

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

a) Write the ratio of 40 seconds to 1 minute in simplest form. = _____

b) Divide 120 marbles between two friends in the ratio 5:7. = Friend 1: _____ marbles, Friend 2: _____ marbles

c) Check if 5, 10, 6, 12 are in proportion. (Yes/No) = _____

d) If 4 kg of rice cost ₹240, what is the cost of 9 kg of rice? = ₹_____

e) Find the value of 'q' in the proportion 9:15 :: q:20. = q = _____

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

a) Write the expression for "the difference between a number w and 5". = _____

b) If $z = 6$, find the value of $5z + 2$. = _____

c) Solve for c: $c + 20 = 35$. = c = _____

d) Solve for d: $7d = 42$. = d = _____

e) Write an equation for "a number n divided by 3 is equal to 7". = _____

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 quadrilateral? = _____ degrees

b) Find the complement of 55 degrees. = _____ degrees

c) Find the supplement of 130 degrees. = _____ degrees

d) An angle measuring exactly 0 degrees is called a _____ angle.

e) Draw a rough sketch of parallel lines.

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

a) A square with perimeter 40 cm. = Side: _____ cm, Area: _____ sq cm

b) A rectangle with width 15 cm and area 300 sq cm. = Length: _____ cm, Perimeter: _____ cm

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

a) 6 km 150 m to meters. = _____ m

b) 8 liters 40 ml to milliliters. = _____ ml

c) 9 kg 25 g to grams. = _____ g

d) 2 hours 40 minutes to minutes. = _____ minutes

e) 1250 paise to rupees. = ₹_____

10. Look at the pictograph showing the number of students who own **[5 marks]** pets and answer the questions:

[Imagine a pictograph: Key: 1 paw print icon = 4 students. Pets (Dog, Cat, Fish, Bird) on one side, paw print icons on the other. Example data: Dog-6 paw prints, Cat-4 paw prints, Fish-3 paw prints, Bird-2 paw prints]

a) How many students own Cats? = _____ students

b) Which pet is owned by the fewest students? = _____

c) How many more students own Dogs than Fish? = _____ students

d) What is the total number of students surveyed? = _____ students

e) If 2 students who owned Birds got Fish instead, how many students would own Fish? = _____ students

End of Practice Paper 2