Mathematics

Practice Test Paper 9

(Ganita Prakash Part 2 | Chapter 1: Fractions in Disguise)

Class VIII | 2026–27

Time Allowed: 45 Minutes | Maximum Marks: 25

General Instructions

1. All 13 questions are compulsory. The paper has four sections: A, B, C and D.
2. Section A - 5 marks; Section B - 8 marks; Section C - 9 marks; Section D - 3 marks.
3. Choose one correct option in Section A. Show the necessary working in Sections B, C and D.
4. Study the images and graphs carefully before answering the related questions.

SECTION A

(5 questions × 1 mark = 5 marks)

1. Which value is greater than $\frac{2}{3}$?

(A) 60% (B) 0.65

(C) 66% (D) 67%

2. A trader's cost is ₹90, marked price is ₹140 and selling price is ₹120. What is the profit?

(A) ₹20 (B) ₹30

(C) ₹50 (D) ₹140

3. A quantity increases by 100%. Its new value is:

(A) Twice the original (B) Equal to the original

(C) Half the original (D) One hundredth of the original

4. A balance earns ₹300 interest in Year 1 and ₹315 in Year 2 at the same annual rate. Which explanation fits annual compounding?

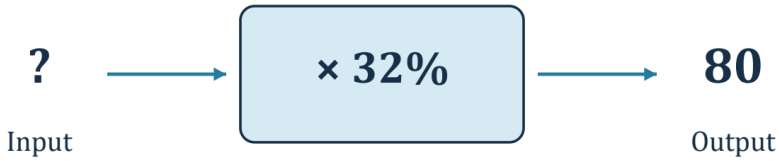
(A) The original principal decreased

(B) The rate must have changed

(C) Year 1 interest was added to the balance

(D) Interest was paid out and removed each year

5. The machine takes 32% of its input. Which input gives the output shown?



(A) 25 (B) 256

(C) 250 (D) 2500

SECTION B

(4 questions × 2 marks = 8 marks)

6. A recipe uses flour and water in the ratio 7 : 3. A cook says that flour is 70% of the water. Correct the statement and express the flour as a percentage of the water.

7. A delivery van covers 48% of its route before lunch and 35% after lunch. If 51 km still remains, find the full route length.

8. A bill of ₹1470 includes tax at 5% of the pre-tax price. Find the pre-tax price and the tax included.

9. A club grows from 50 members to 65. Another grows from 200 members to 240. Which gains more members, and which has the higher percentage growth?

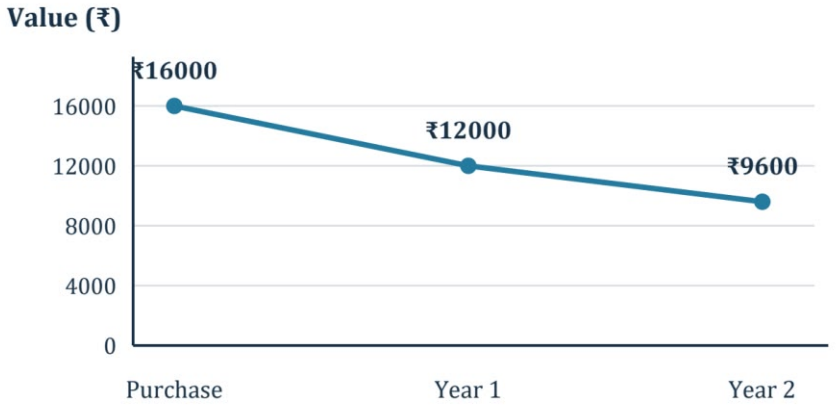
SECTION C

(3 questions × 3 marks = 9 marks)

10. The selling price of five identical erasers equals the cost price of four erasers. Decide whether there is a profit or loss, find its percentage, and verify using a cost of ₹10 per eraser.

11. A deposit of ₹12,000 earns ₹1800 interest in three years without compounding. Find the annual interest rate. Then find the balance after one more year at the same rate, with all interest paid separately.

12. The graph shows the value of a device at purchase and at the end of each year. Find the percentage depreciation in Year 1, in Year 2 and over both years together.



SECTION D

(Application Based Question - 3 marks)

13. A 400 g mixture contains 35% rice, 25% lentils and 40% vegetables. A second batch of the same recipe has a total mass of 1 kg.

(i) How much rice is in the first batch?

(ii) What is the combined percentage of lentils and vegetables?

(iii) How much lentil is needed for the second batch?