Mathematics

Practice Test Paper 10

(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. A value changes from 80 to 100. Which is the correct description?

(A) An increase of 20% (B) An increase of 25%

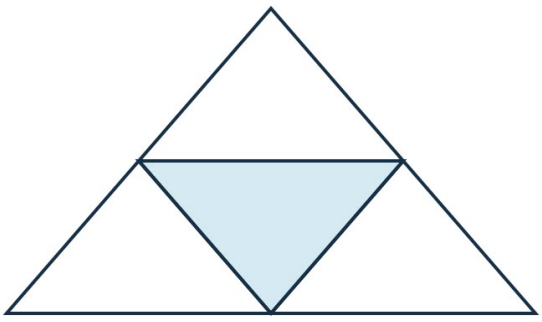
(C) An increase of 80% (D) An increase of 125%

2. An item marked at ₹p receives a 10% discount, followed by 10% tax on the reduced price. Which expression gives the final price?

(A) $0.8p$ (B) p

(C) $1.01p$ (D) $0.99p$

3. The large triangle is divided into four equal-area triangles. Its total area is 80 square centimetres. What is the unshaded area?



(A) 20 cm^2 (B) 40 cm^2

(C) 60 cm^2 (D) 75 cm^2

4. What percentage is represented by the ratio 1 : 200, comparing the first quantity with the second?

(A) 0.5% (B) 2%

(C) 5% (D) 50%

5. A sum is invested at 5% annually. At the end of the first year, the amounts with and without annual compounding are:

(A) Always different (B) Equal

(C) In the ratio 5 : 1 (D) Impossible to compare

SECTION B

(4 questions × 2 marks = 8 marks)

6. Arrange 0.008, 0.08% and 8% in increasing order, expressing all three as decimals first.

7. A test has 80 marks. The pass mark is 35%, and Rohan scores 26 marks. How many marks is he short of passing? Express this shortfall as a percentage of the maximum marks.

8. Two friends have some marbles. Asha has 125% as many as Bina. Express Bina's number of marbles as a percentage of Asha's and justify your answer with a simple pair of counts.

9. A craft stall earns ₹50,000 in sales and spends ₹35,000 on goods. It wants a net profit equal to 20% of sales. What is the maximum it can spend on other expenses?

SECTION C

(3 questions × 3 marks = 9 marks)

10. The side of a square increases from 20 cm to 22 cm. Find the percentage increase in its side and its area. Explain why the two increases are different.

11. ₹2000 is invested at 10% per annum, compounded annually. Find the interest in the first and second years. By what percentage is the second year's interest greater than the first year's?

12. A rectangle's length is increased by 25% while its area is kept unchanged. Find the required percentage decrease in its breadth. Check using a rectangle 8 cm long and 5 cm wide.

SECTION D

(Application Based Question - 3 marks)

13. The receipt shows a school's purchase of art materials. Use the printed quantities, prices and discount to complete the bill.

(i) Find the total before discount.

(ii) Find the discount in rupees.

(iii) Find the final amount payable.

ART MATERIALS	
Paint boxes	3 × ₹120
Brushes	2 × ₹80
Discount	**15%**
Tax	Nil