# Mathematics

## Practice Test Paper 4

### (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 statement is incorrect?

(A) 40% = 0.4
(B) 4% = 0.04
(C) 0.4% = 0.004
(D) 0.04 = 0.4%

**2.** An interest rate is quoted as 6% p.a. What does p.a. mean?

(A) For every month
(B) For every year
(C) For the whole deposit period
(D) For every day

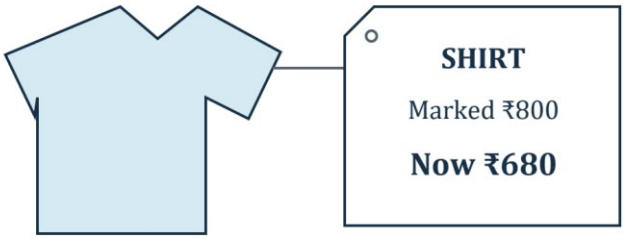
**3.** 20% of one quantity and 20% of another quantity must be equal when:

(A) The two quantities are equal
(B) Both quantities are whole numbers
(C) Both quantities exceed 100
(D) The quantities have different units

**4.** A deposit earns 9% yearly interest without compounding. After two years, the principal and total interest together equal:

(A) 9% of the principal
(B) 18% of the principal
(C) 118% of the principal
(D) 119% of the principal

**5.** Use the price tag to find the discount percentage on the shirt.




(A) 12%
(B) 15%
(C) 20%
(D) 85%

## SECTION B

(4 questions × 2 marks = 8 marks)

**6.** Arrange 72%, $\frac{3}{4}$ and 0.7 in increasing order. Show a common form for comparing them.

**7.** In Club A, 18 of 60 members cycle to school. In Club B, 27 of 75 do so. Which club has the higher percentage of cyclists?

**8.** The timeline shows a deposit with annual compounding. Find the interest earned in Year 2 and the balance at the end of Year 2.




**9.** A stall earns ₹10,000 in sales. The goods cost ₹7000 and other expenses are ₹500. Find the net profit and express it as a percentage of sales.

## SECTION C

(3 questions × 3 marks = 9 marks)

**10.** Two stools cost ₹400 each. One is sold at a profit of 25% and the other at a loss of 15%. Find the total selling price and the overall profit percentage.

**11.** The price of a book falls from ₹500 to ₹400. Find the percentage fall. What percentage increase on ₹400 would restore the original price? Explain why the two percentages differ.

**12.** A team harvests 15% of a field in 12 days. Assuming the same daily rate, find the total time for the whole field and the time still needed. Why is the assumption important?

## SECTION D

(Application Based Question - 3 marks)

**13.** A 600 g trail mix contains oats, nuts and raisins in the ratio 5 : 3 : 2.

(i) What percentage of the mixture is nuts?

(ii) Find the mass of raisins.

(iii) If the recipe is doubled, what percentage of the new mixture is oats?