Mathematics

Practice Test Paper 3

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

Class VIII | 2026–27

Time Allowed: 45 Minutes | Maximum Marks: 25

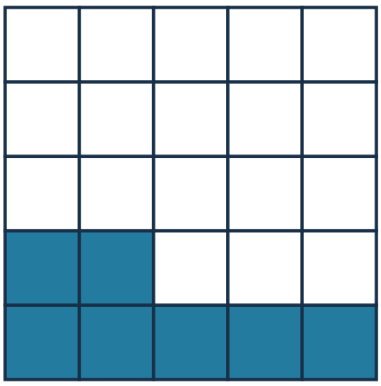
General Instructions

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. The large square is divided into equal small squares. What percentage of its area is shaded?



(A) 7%
(B) 18%
(C) 25%
(D) 28%

2. After a discount of 20%, what percentage of the marked price does a customer pay?

(A) 20%
(B) 80%
(C) 100%
(D) 120%

3. How many seconds are equal to 1% of one hour?

(A) 6
(B) 60
(C) 36
(D) 100

4. The decimal 2.04 is equal to:

(A) 204%
(B) 20.4%
(C) 2.04%
(D) 0.204%

5. A machine loses 35% of its original value. Its new value is what percentage of the original value?

(A) 35% (B) 135%

(C) 65% (D) 75%

SECTION B

(4 questions × 2 marks = 8 marks)

6. A class has 40 students, of whom 26 have returned a consent form. Find the percentage who have returned it and the percentage who have not.

7. Find 15% of ₹360 mentally by splitting 15% into two convenient percentages. Show the split.

8. A trader buys 12 notebooks for ₹30 each and sells all of them for ₹396. Find the profit per notebook and the overall profit percentage.

9. A coat costs ₹1530 after a 15% discount. Find its marked price and the discount in rupees.

SECTION C

(3 questions × 3 marks = 9 marks)

10. A family uses 800 litres of water a day. It reduces this use by 12.5%, then reduces the new amount by 20%. Find the final daily use and the overall percentage reduction.

11. A deposit earns ₹960 in three years at 8% per annum without compounding. Find the principal and the total amount received.

12. The diagram shows the purchase, marking and sale of a backpack. Find its selling price, the profit and the profit percentage on cost price.



SECTION D

(Application Based Question - 3 marks)

13. An art club has 120 members. Of them, 45% choose painting, 30% choose pottery, and the rest choose weaving. Each member chooses one activity.

(i) How many members choose painting?

(ii) What percentage choose weaving?

(iii) How many more members choose painting than pottery?