Mathematics

Practice Test Paper 8

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

Class VIII | 2026–27

Time Allowed: 45 Minutes | Maximum Marks: 25

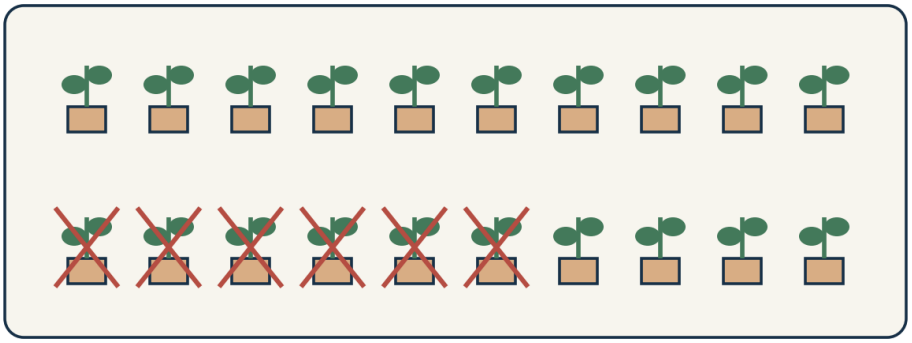
General Instructions

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 tray has 20 plants. The crossed plants have wilted. What percentage of the plants are healthy?



(A) 30%
(B) 60%
(C) 70%
(D) 80%

2. Which calculation gives a 12% reduction from a quantity x?

(A) $0.12x$
(B) $1.12x$
(C) $x - 12$
(D) $0.88x$

3. Which pair gives equal amounts?

(A) 20% of 50 and 50% of 50
(B) 25% of 80 and 10% of 200
(C) 30% of 40 and 40% of 40
(D) 5% of 60 and 10% of 60

4. If the cost price is ₹500 and the selling price is ₹600, the profit is what percentage of the selling price?

(A) $\frac{50}{3}\%$
(B) 20%
(C) 25%
(D) 120%

5. An amount is compounded annually at 7%. Which multiplier gives its value after two years?

(A) 1.14 (B) 0.07 × 2

(C) 1.07 × 1.07 (D) 1.07 + 1.07

SECTION B

(4 questions × 2 marks = 8 marks)

6. A number is increased by 20% and becomes 78. Find the original number and the amount of the increase.

7. Of 150 seeds planted, 126 germinate. Find the germination percentage. How many more seeds would need to germinate for the percentage to reach 90%?

8. A shop reduces every marked price by 25%. Is the discount on a ₹200 item equal to the discount on a ₹500 item? Calculate both discounts and explain.

9. The tree-count diagram gives the totals after each planting season. Find the number added in Season 2 and the percentage increase during that season.



SECTION C

(3 questions × 3 marks = 9 marks)

10. A dealer sells two fans for ₹1200 each. On one fan the profit is 20%; on the other the loss is 20%. Find the total cost and the overall profit or loss percentage.

11. A store marks a saucepan 25% above its cost price. What percentage discount on the marked price would allow it to be sold at cost? Verify using a cost price of ₹800.

12. ₹10,000 is invested at 10% per annum for three years. Find the total interest with annual compounding and without compounding. How much extra interest does compounding give?

SECTION D

(Application Based Question - 3 marks)

13. A school buys four identical calculators at ₹250 each before tax. A tax of 8% is added to the total price.

(i) Find the total price before tax.

(ii) Find the tax charged.

(iii) How much change is due from ₹1200 after paying the bill?