

Mathematics
Practice Test Paper 2
(Ganita Prakash Part 2 | Chapter 6: Algebra Play)
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 given data and images carefully before answering the related questions.

SECTION A

(5 questions $\times$ 1 mark = 5 marks)

1. Multiply a number by 4, add a fixed amount, divide by 4 and subtract the starting number. Which amount makes the result 9?

- (A) 13 (B) 36
(C) 18 (D) 9

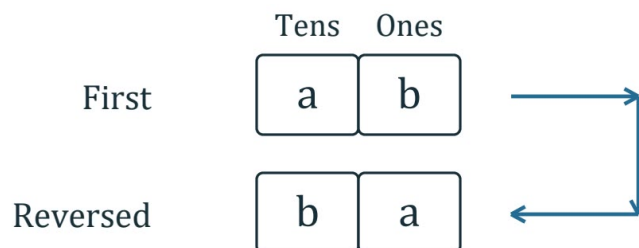
2. Using 2, 6 and 7 once each, which expression gives the largest product?

- (A) 72×6
(B) 62×7
(C) 26×7
(D) 76×2

3. A two-digit number and its reversal have sum 121. What is the sum of its two digits?

- (A) 9 (B) 10
(C) 12 (D) 11

4. The cards show a number and its reversal. If $a > b$, what is the first number minus the second?



- (A) $9(a - b)$ (B) $9(a + b)$
(C) $a - b$ (D) $11(a + b)$

5. The sequence 1, 2, 3, 5, ... adds the two previous terms to get each new term. What comes next?

(A) 10

(B) 7

(C) 6

(D) 8

SECTION B

(4 questions $\times$ 2 marks = 8 marks)

6. Three adjacent dates in one calendar row total 48. Find the dates by taking the first date as x .

7. Ravi doubles a number, adds 6, divides by 2 and subtracts 3. He claims that the final answer is always 3. Correct his claim using algebra.

8. In each row, the last box is the sum of the three shapes. Equal shapes have equal values. Find the value of the square and the circle.

			24
			18

9. Without long division, find $427427 \div 1001$. Explain using place value.

SECTION C

(3 questions $\times$ 3 marks = 9 marks)

10. Add the cyclic numbers 136, 361 and 613. Explain why their total is divisible by both 37 and 3.

11. Each round of a game doubles the coins and removes 12. After two rounds none remain. Find the starting amount and check both rounds.

12. Evaluate $\frac{1+3+5+7}{9+11+13+15}$, using the sums of the first four and first eight odd numbers.

SECTION D

(Application Based Question - 3 marks)

13. A father is four times his son's age. In 9 years he will be two and a half times his son's age.

(i) If the son is x years old now, express both ages after 9 years.

(ii) Form an equation and find the son's present age.

(iii) Find the father's present age and check the future-age condition.