



INDIAN SCHOOL AL WADI AL KABIR

Pre-Mid-Term Examination (2025-26)

Class: VI
18-05-2025

Sub: MATHEMATICS
Set - 1

Max Marks: 30 Date:
Time: 1 hour

Instructions:

Section A: Multiple Choice Questions (Q.1 to Q.8)


Section B: Source Based Questions (Q.9 to Q.12)

Section C: Long Answer Questions (Q.13 to Q.16)

Section D: 4 Marks Question & Case Study Question (Q.17 to Q.18).

NOTE: This question paper consists of 3 printed pages.

Section A: Multiple Choice Question (Q.1 to Q.8) of **1** mark each

1. If a 15cm ruler broken into two equal parts. What is the length of each piece?
A 8.5cm **B** 7.5cm **C** 7.3cm **D** 8.2cm
2. The number which is known as 'Kaprekar constant' is:
A 6714 **B** 6174 **C** 6741 **D** 6471
3. On a number line, 2379 lies exactly between which two numbers?
A 2000 & 2250 **B** 2500 & 2750 **C** 2250 & 2500 **D** 2750 & 3000
4. If 4,300 apples are to be packed into boxes, with each box holding 10 apples, how many boxes will be required for packing?
A 43 **B** 430 **C** 33 **D** 34
5. In a pictograph, if  = 8 books, then to represent 40 books, how many symbols are needed?
A 5 **B** 8 **C** 7 **D** 9
6. The number which is divisible by 5 is:
A 20513 **B** 25019 **C** 25130 **D** 25103
7. A data can be represented using symbols or pictures of objects on a:
A line graph **B** bar graph **C** pie chart **D** pictograph

8. Which among the following is a palindromic time?
- A** 10:10 **B** 10:01 **C** 11:10 **D** 10:02

Section B: Source Based Questions (Q.9 to Q.12) of 1 mark each

The following pictograph represents the number of ice cream cones sold by Tania in her ice cream parlor on a weekend in the month of May



9. Which flavour of ice cream was the most popular?
- A** pistachio **B** vanilla **C** butterscotch **D** chocolate
10. Tania sold 350 cones of one flavour. What flavour was this?
- A** butterscotch **B** pistachio **C** vanilla **D** strawberry
11. Find the total number of ice cream sold in the flavour of strawberry and pistachio.
- A** 375 **B** 250 **C** 400 **D** 300
12. How many more coffee cones would Tania need to sell to make a total of 500 cones?
- A** 200 **B** 600 **C** 500 **D** 400

Section C: Long Answer Questions (Q13 to Q.16)

13. Form a sequence starting with 24 by using the rule of Collatz Conjecture. (2m)

14. Write the greatest and smallest number formed by using the digits 2, 0, 9 and 7. Find the sum and difference of the greatest and smallest number formed. (2m)
15. Write any six Palindromic three-digit number using the digit 7, 9, 5 (3m)
16. Catherine threw a dice 30 times and noted the number appearing each time as shown below:

1	3	5	6	6	3	5	4	1	6
2	5	3	4	6	1	5	5	6	1
1	2	2	3	5	2	4	5	5	6


Prepare a frequency distribution table using Tally marks. (3m)

Section D: Long Answer Question of 4 marks & Case study (Q.17 & Q.18)

17. The table shows the number of T.V. sets sold at Ravi's store. Draw a pictograph to illustrate the given information and use the key: $\square = 5$ T.V sets. ☐

Month	March	April	May	June
No. of T. V's sold	15	25	20	30

18. **Case Study:** Sumi and Sonu were having fun exploring numbers and number tricks. They created a magic table filled with five-digit numbers ranging from 90,000 to 1,00,000. As they observed the table, they became curious and started asking each other interesting questions based on the numbers. Using the table, answer the questions given below.

	96,408	A	90,148
	90,067	97,238	92,229
	98,203	95,256	B

- a) If A is a supercell, then which number can be inserted in the place of A from the given set of numbers: (1m)
94,199; 97,716; 90, 993; 95,914.
- b) If B is the predecessor of 95,256 then find the number that can be placed in the box B. (1m)
- c) Write the digit sum of numbers from 391 to 394 (2m)
