

INTERNATIONAL INDIAN SCHOOL, BURAI DAH

COMPUTER SCIENCE

CLASS 4 A/B - 2025-26

Assessment Sheet (L#1 to L#5)

SECTION A

Choose the correct answer and write the option.

1. How many different ice cream cones can you make using 3 flavors and 2 toppings?
a) 5 b) 6 c) 3 d) 9
2. In a standard 4×4 Sudoku, how many times does each color appear?
a) Once b) Twice c) Thrice d) Four times
3. Which of the following shows a correct pattern in words?
a) Cat, Bat, Hat, Mat
b) Cat, Dog, Chair
c) Red, Blue, Yellow, Monday
d) Run, Ran, Rat
4. What comes next in this number pattern: 2, 4, 6, 8, __?
a) 9 b) 10 c) 12 d) 11
5. Which shape comes next? ● ▲ ● ▲ ● __
a) ● b) ▲ c) ■ d) ◆
6. If you have 2 shirts and 3 pants, how many outfit combinations can you make without repetition?
a) 3 b) 5 c) 6 d) 2
7. Which of these is NOT a part of the Sudoku rules?
a) Use all colors once
b) Use all digits without repeating
c) Each row and column must be unique
d) No repeating numbers in small grid
8. In the word pattern "hop, mop, top", what stays the same?
a) First letter b) Last letter c) Middle letter d) All letters change
9. What is the missing number? 5, 10, 15, __, 25
a) 18 b) 20 c) 22 d) 30
10. Which figure continues this shape pattern: □, △, □, △, □, __
a) ○ b) △ c) □ d) ◇
11. Suppose there is a code that has to be formed, the first digit has A,B or C the right place has 2,3 or 4 how many different codes are possible using the rules as stated?
a) 3 b) 6 c) 9 d) 12
12. Find the pattern in the words.
HOT, HAT, HIT, _____.
a) HER b) HUT c) HI d) HACK
13. What comes next in this number pattern: 1, 1, 2, 3, 5, __?
a) 7 b) 8 c) 10 d) 11

14. Identify the odd one out:

a) Hat b) Bat c) Mat d) Dog

15. How many leap years are there from 2011 to 2012?

a) 2 b) 3 c) 4 d) 0

SECTION B

Write the correct answer in the blank.

1. A 4x4 Sudoku has _____ rows and _____ columns.

2. Among all two-digit numbers, there are _____ odd numbers.

3. There are _____ possible combinations of juice and glass when you have 2 juice types (Orange, Mango) and 3 glass types.

4. Write three-word patterns where only the **first letter changes**. _____, _____, _____.




5. Bear, Year, _____, _____ (complete the pattern)

6. What comes next? **ACE, BDF, CEH, ____** .

7. Create a new pattern using these types of word changes: Start with "Pin" – change one letter at a time: **Pin** → **Pan** → ____ → ____

8. **4, 10, 16, 32, _____, _____**

9. Find the next 3 numbers in the pattern: **1, 2, 4, 8, __, __, __**

10. Draw the next shape in this sequence: , ,  ____

11. Fill in the blank with a word that rhymes with "shell": **I hear a ____ ringing**

SECTION C

State True or False.

1. You can combine the same color twice when counting combinations without repetition.

2. Counting combinations means finding how many ways you can select items regardless of order.

3. A completed Sudoku puzzle should have different symbols in every row, column, and block.

4. In a 4x4 Sudoku, colors or letters can be used instead of numbers.

5. Sudoku always uses numbers only.

6. In a 4x4 Sudoku, the mini grid is divided into 6 equal blocks.

7. The word "Sudoku" comes from a Japanese phrase that means "one number."

8. Sometimes, the sound of words may show a pattern.

9. Leap year has 29 days in February month.

SECTION D

Match the following (From the TB exercises)

SECTION E

ANSWER THE FOLLOWING

1. What is a Tree Diagram?

Ans : A Tree diagram is a drawing that shows all the possible choices of a situation.

2. Write two uses of a Tree Diagram.

- a. It helps us to count all the different combinations or possibilities.
- b. It makes it easy to see how many choices there are when you make more than one decision

3. Define the line method.

Ans: A method of finding all possible outcomes by writing them in an orderly way, usually one by one in rows or lines.

4. Given four colored bricks – Blue, Yellow, Red, and Green – list all the different combinations that can be formed without repeating any color. Also, mention the total number of possible combinations.

5. What is the key rule to follow when solving a 4x4 colored Sudoku?

Ans: Each color appears exactly once in a row, column, or mini grid.

6. What are the benefits of using patterns?

1. Patterns help us to remember things better.
2. Improves Memory and Learning.
3. Finding patterns trains the brain to think logically.

7. Why is it useful to understand patterns in numbers?

Ans: It helps us predict what comes next, solve problems quickly, and improve logical thinking.

8. What do you mean by Tessellation?

Ans: When there is no gap between two figures and there is no overlapping of figures that is known as tessellation.

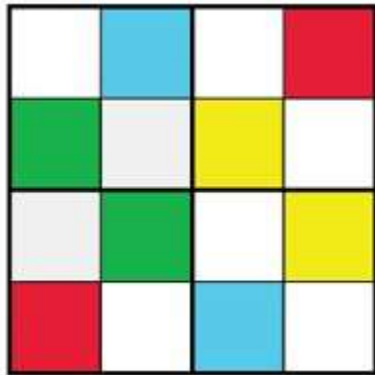
9. What is a mini-grid in Sudoku?

Ans: In a 4x4 Sudoku, the entire grid has 4 rows and 4 columns. It is divided into four 2×2 mini grids. Each mini grid must contain all 4 different colors or numbers without repetition.

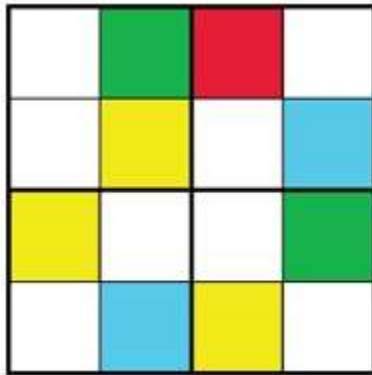
SECTION F

Complete the following Sudoku puzzles by writing the first letter of the color in each cell

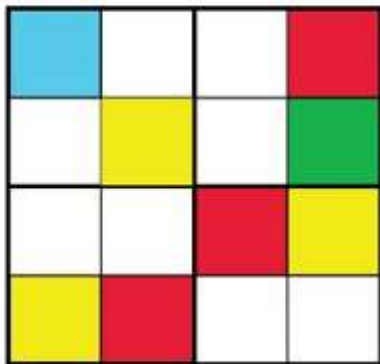
1)



2)



3)



4)

