

Summer Assignment

Class VI

Subject – English

Activity 1: Poster Making

Q.1. Kindness has the power to bring smiles and make the world a better place. Create a beautiful poster on the topic “**Spread Kindness Everywhere.**” Write a heart-touching slogan.

Add 2-3 lines showing how kindness makes people feel happy and cared for.

Draw or paste pictures of kind actions (helping, sharing, caring). Use bright colours, neat borders, and clear handwriting to make your poster attractive.

After completing, write 2-3 lines about how you feel when someone shows kindness to you.

Q.2. My Summer Diary with a Twist

The summer vacation is a time to relax, explore new places, and create beautiful memories. During your holidays, you may visit a new place or spend time somewhere special with your family.

Write a paragraph on the topic ‘My Holiday Experience’ after your vacation. Mention where you went and with whom. Describe your experience (what you did, what you saw, and how you felt). Write about what you liked the most. Add a few details about the place, such as what it is famous for.

Paste or draw 2-3 pictures related to your visit.

Q.3. Add “**Word of the Day**” (new vocabulary) Write at least 10 entries (50-60 words each).

Subject – Science and Technology

Activity:

Prepare a colorful poster on balanced diet for a child of 12 years. Put slogans and draw \ paste pictures of various food items of our state.

Project: Prepare a list of healthy habits that we should follow to stay healthy and active.

Subject – Social Science

Q. 1. Research the historical significance of the term ‘Bharata’ and its variations in different regions of India. summarize how the names evolved over centuries.

Q.2. Find out two tribal communities of India one in the North East and one in Western India. Write about their society, traditions and culture. Collect pictures of their dresses, ornaments and festivals to make a collage.

Class – VI हिन्दी

1 अपने घर या खेत के आस-पास दिखाई देने वाले किसी भी पांच पौधों के नाम लिखिए, साथ ही यह भी बताइए कि वे पौधे

हमारे लिए किस प्रकार उपयोगी हैं ?

2 कठपुतली का चित्र बनाकर उससे संबंधित पांच वाक्य लिखिए ।

Class – VI संस्कृत

1. संस्कृत वर्णमाला लिखिए ।
2. परिवार वृक्ष बनाकर सदस्यों के नाम संस्कृत में सचित्र लिखिए ।

Class –VI Mathematics

SUMMER HOLIDAY HOMEWORK 2026-27
(Class VI –Mathematics) CODE:SMR6MT26AK

(I) SKILL BASED ACTIVITY:

Title: Discovering Number Patterns in Everyday Life

Objective:

To identify, create, and understand patterns in numbers and relate them to real-life situations.

Materials Required:

Notebook, pencil, calculator (optional), mobile phone (optional)

Activity:

1. Look Around for Numbers

Observe numbers in your surroundings such as:

- Mobile numbers
- Vehicle number plates
- House numbers
- Calendar dates
- Currency notes

2. Select Any 3 Number Sets

Write down 3 different number examples (for example: a phone number, a vehicle number, a date like 12/12/2024).

3. Identify Patterns

Look for patterns such as:

- Repetition (e.g., 1212, 777)

- Increasing or decreasing sequence (e.g., 1234, 4321)
 - Even–odd patterns
 - Addition or multiplication patterns
- 4. Create Your Own Pattern**
Make at least 2 unique number patterns, such as:
- A pattern using addition (e.g., 2, 4, 6, 8...)
 - A pattern using multiplication (e.g., 3, 6, 12, 24...)
 - A creative pattern (e.g., alternating digits like 1, 3, 1, 3...)
- 5. Real-Life Connection Task**
- Try to form a “special number” (like a lucky number or easy-to-remember number) using a pattern.
 - Example: Create a PIN or code using a pattern rule.
- 6. Challenge Task (Skill-Based Thinking)**
- Find the missing number in a pattern you create and ask a friend or family member to solve it.
 - Example: 5, 10, __, 20, 25

(II) THINKER’S ASSESSMENT:

- 1. Look and Think:**
 Ravi writes numbers like this: 3, 6, 12, 24, __, __
 What rule is he following? Write the next two numbers.
- 2. Find the Rule:**
 A pattern is: 5, 9, 13, 17, ...
 What is happening to the numbers each time? Can you find the 10th term?
- 3. Odd One Out:**
 Which number does not follow the pattern?
 2, 4, 8, 16, 18, 32
 Explain your reasoning.
- 4. Complete the Pattern Puzzle:**
 1, 1, 2, 3, 5, __, __
 What type of pattern is this?
- 5. Create Your Own Pattern:**
 Make a pattern where each number increases by a different rule (not the same number each time). Write first 5 numbers and explain your rule.
- 6. Real-Life Thinking:**
 A staircase has 2 steps, then 4, then 6, then 8...
 How many steps will be there in the 10th stage? What pattern do you see?
- 7. Missing Numbers Challenge:**
 __, 20, __, 40, 50
 Fill in the blanks and explain how you found them.

8. **Reverse Thinking:**

The 5th term of a pattern is 25, and the pattern increases by 5 each time. What is the first term?

9. **Visual Pattern Idea:**

Dots are arranged like this:

1 dot, 3 dots, 6 dots, 10 dots...

How many dots will be in the next figure? What pattern do you observe?

10. **Explain Your Thinking:**

Why do we study patterns in mathematics? Give one real-life example where patterns help us.

(III) LAB MANUAL ACTIVITIES

Chapter 1: Patterns

Activity : Tessellation Patterns

Create repeating patterns using cut-out shapes (triangles, squares) on grid paper; count repetitions and predict extensions. Observe symmetry in floor tiles as real-life examples.

Chapter 2: Lines and Angles

Activity : Angle Hunt with Protractor

Use a protractor to measure angles in classroom objects (doors, books); classify as acute, obtuse, or right; tabulate 20 findings.

Chapter 3: Number Play

Activity : Divisibility Dice Game

Roll dice to form numbers; test divisibility by 2,3,5 using color codes; score highest divisible set from 50 rolls.

Chapter 4: Data Handling

Activity : Class Survey Pictograph

Survey 30 classmates on favorite fruits; draw pictographs (1 symbol=5 votes); convert to bar graph for comparison.

Chapter 5: Prime Time

Activity : Sieve of Eratosthenes Grid

Mark multiples on a 1-100 grid with chalk; circle primes; count and list up to 50.

Chapter 6: Perimeter and Area

Activity : Shape Perimeter Walk

Cut shapes from cardboard; walk string around edges to measure perimeter; compare with formula on table.

Chapter 7: Fractions

Activity : Pizza Fraction Division

Divide paper circles into halves, thirds; shade fractions; trade pieces to make wholes and compare equivalents.

Chapter 8: Constructions

Activity : Compass Circle Designs

Draw circles of radii 2-10 cm; bisect with compass to form angles; create geometric flowers.

Chapter 9: Symmetry

Activity : Mirror Symmetry Leaves

Fold leaves under mirror; trace symmetric halves; classify rotational/reflection symmetry in 10 leaves.

Chapter 10: Integers

Activity : Number Line Thermometer

Mark integers -10 to 10 on line; simulate temperature changes with red/blue pegs; plot daily "weather."
