

SURAJ EDUCATION



**FIT**  
INDIA

# SURAJ SCHOOL

**SURAJ  
EDUCATION**

DELHI ROAD, REWARI



# HOLIDAY HOMEWORK

**Grade 8**

Explore, Learn  
and Have Fun!



Name: \_\_\_\_\_



Class: \_\_\_\_\_ Section: \_\_\_\_\_



Roll No.: \_\_\_\_\_



Session: \_\_\_\_\_



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# HINDI

1.सृजनात्मक लेखन एवम् भाषा कौशल

☞ डायरी लेखन ( मेरे यादगार दिन) छुट्टियों के किन्हीं 10 दिनों का अनुभव एक डायरी में लिखें।

☞ कहानी/कविता लेखन:-जादुई पेंसिल पर एक कहानी लिखें।

☞ शब्द सीढ़ी:- संज्ञा, सर्वनाम या पर्यायवाची शब्दों का उपयोग करके 10 शब्दों की शब्द सीढ़ी बनाएं।

☞ इंटरव्यू:-अपने दादा - दादी या माता पिता से उनके बचपन के खेलों के बारे में पूछें और उसे एक संवाद के रूप में लिखें।

2. रचनात्मक और व्यावहारिक गतिविधि

☞ पर्यावरण पोस्टर 'स्वच्छ पर्यावरण, हरा -भरा पर्यावरण' या 'जल संरक्षण' पर स्लोगन के साथ पोस्टर बनाएं।

☞ वेस्ट से बेस्ट:- पुरानी जींस, अखबार या नूडल कप जैसी बेकार चीजों से रचनात्मक वस्तुएँ बनाएं।

3.पठन और समझ

☞ पुस्तक समीक्षा :- कोई हिन्दी कहानी की किताब ( जैसे पंचतंत्र, मुंशी प्रेमचंद की कहानियाँ) पढ़ें और उसका सारांश लिखें।

☞ समाचार वाचन:- प्रतिदिन 5 मिनट हिंदी समाचार पढ़ें और मुख्य समाचार को अपनी नोटबुक में लिखें।

4.गृहकार्य के लिए टिप्स:-

☞ साफ -सफाई:- होमवर्क को साफ और सुंदर तरीके से प्रस्तुत करें।

☞ संतुलन :- काम को छुट्टियों के दिनों में बाटें ताकि अंत में बोझ न बने।

☞ पौष्टिक आहार:- काम करते समय पौष्टिक आहार लें।

# ENGLISH

## General Instructions:

- \*Complete the work in a separate scrapbook/file.
- \*Use colours, sketches, cuttings, borders, and creative layouts.
- \*Write neatly and decorate each page beautifully.
- \*Submit the homework till 5th July
- \*Originality and creativity will be appreciated.

Title: "Creative Grammar Adventure"

SECTION A – NOUN WORLD

Activity 1: "Noun Tree"

Instructions:

^Draw a big tree.

^Write different types of nouns on branches:

°Proper Noun

°Common Noun

°Collective Noun

°Abstract Noun

°Material Noun

Example:

Proper Noun → India, Riya  
Collective Noun → Team, Army

Creativity Task:  
Decorate the tree with colours, birds, flowers, and labels.

Activity 2: Magazine Hunt

Instructions:  
•Cut pictures/words from old newspapers or magazines.  
•Paste them under noun categories.

Category Examples:

Person :: doctor, teacher

Place :: park, Delhi

Animal :: tiger, rabbit

Thing :: pencil, table

Write 5 sentences using any nouns from your collection.

#### SECTION B – PRONOUN POWER

Activity 3: Pronoun Poster

Instructions:  
Create a colourful poster titled:  
“Pronouns Replace Nouns!”

Include:

~Personal Pronouns

~Possessive Pronouns

~Reflexive Pronouns

~Demonstrative Pronouns

Add examples with illustrations.

#### SECTION C – ADJECTIVE ART

Activity 4: My Summer Photo Description

Instructions:  
Paste or draw a summer holiday scene/photo.  
Describe it in 10–12 sentences using descriptive adjectives.

Use adjectives for:

Colour / size / shape / feelings / weather

#### SECTION D – DETERMINER DIARIES (8 Marks)

Activity 5: “Determiner Basket”

Instructions:  
Draw a basket and fill it with fruits/items.  
Label them using determiners:

-some apples

-many oranges

-few bananas

-each mango

-little juice

Use at least 15 determiners.

#### SECTION E – INTEGRATED CREATIVE TASK

“My Grammar Adventure Book”

Instructions:

Create a mini storybook of 3–4 pages.

Rules:

Use:

°10 nouns

°10 pronouns

°10 adjectives

°10 determiners

Underline:

✓Nouns in blue

✓Pronouns in green

✓Adjectives in red

✓Determiners in purple

Grammar Worksheets

#### WORKSHEET 1 – NOUNS

A. Identify the Nouns and Write Their Types

Example:

Riya loves reading books.

→ Riya – Proper Noun, books – Common Noun

°The children played in the garden.

°Honesty is the best policy.

°The Ganga is a holy river.

°My team won the match yesterday.

°Gold is a precious metal.

°The teacher praised the students.

°Delhi is the capital of India.

°Wisdom comes with experience.

°A flock of birds flew across the sky.

°Silver is used to make jewellery.

B. Circle the Abstract Nouns

Kindness, pencil

Bravery, honesty

Mountain, freedom

Happiness, courage

Anger, childhood, table

#### WORKSHEET 2 – ADJECTIVES

A. Underline the Adjectives

•The clever fox jumped over the lazy dog.

•I bought a beautiful dress yesterday.

•The old man walked slowly.

•She has long black hair.

We ate delicious mangoes.

•The bright sun shone all day.

•He lives in a small house.

•The blue kite flew high in the sky.

•My sister has a sweet voice.

•It was a cold morning.



Proper Noun → India, Riya

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- ~ Reflexive Pronouns
- ~ Demonstrative Pronouns

Add examples with illustrations.

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Colour / size / shape / feelings / weather

### SECTION D – DETERMINER DIARIES (8 Marks)

Activity 5: “Determiner Basket”

Instructions:

Draw a basket and fill it with fruits/items.

Label them using determiners:

- some apples
- many oranges
- few bananas
- each mango
- little juice

Use at least 15 determiners.

### SECTION E – INTEGRATED CREATIVE TASK

“My Grammar Adventure Book”

Instructions:

Create a mini storybook of 3–4 pages.

Rules:

Use:

- °10 nouns
- °10 adjectives
- °10 pronouns
- °10 determiners

Underline:

- ✓ Nouns in blue
- ✓ Pronouns in green
- ✓ Adjectives in red
- ✓ Determiners in purple

### Grammar Worksheets

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**B. Fill in the Blanks with Suitable Adjectives**

- \*The soup is \_\_\_ hot.
- \*It was a \_\_\_ day.
- \*My brother is \_\_\_ at cricket.
- \*We saw a \_\_\_ rainbow.
- \*The elephant is a \_\_\_ animal.
- \*She wore a \_\_\_ dress.
- \*The baby looks \_\_\_ today.
- \*This is a \_\_\_ question.
- \*We visited a \_\_\_ garden.
- \*Ravi is a \_\_\_ student.

**WORKSHEET 3 – DETERMINERS** 📖**A. Fill in the Blanks Using:**

(a, an, the, some, any, much, many)

- \*I saw an elephant at the zoo.
- \*There aren't many apples in the basket.
- \*She drank some milk before sleeping.
- \*We visited the Red Fort last year.
- \*Do you have any pencils?
- \*I ate a sandwich for breakfast.
- \*There is not much sugar in the jar.
- \*She bought some flowers from the market.
- \*We need many chairs for the party.
- \*He saw a rainbow after the rain.

**B. Choose the Correct Determiner**

- °There is \_\_\_ water in the bottle.
- \*I have \_\_\_ orange in my bag.
- \*She has \_ good friends.
- \*We watched \_ movie yesterday.
- \*How \_\_\_ students are present?
- \*I need \_ help with homework.
- \*There isn't \_ juice left.
- \*He adopted \_ puppy last week.
- \*Do you have \_ questions?
- \*She saw \_ moon at night.

**WORKSHEET 4 – PRONOUNS** 👤 👤**A. Fill in the Blanks with Suitable Pronouns**

- \* \_\_\_ am going to the market.
- \*Rahul is absent because \_ is sick.
- \*This pen belongs to \_.
- \*The children enjoyed \_.
- \*What is \_ favourite subject?
- \*She is \_ best friend.
- \*Rohan and Amit said \_ would come.
- \*Please give the book to \_.
- \* \_ are going on a picnic tomorrow.
- \*The dog wagged \_\_\_ tail happily.

**B. Find out different kinds of Pronoun:**

- ✓ I completed the project.
- ✓ This gift is for her.
- ✓ They are playing football.
- ✓ The cat hurt itself.
- ✓ Is this notebook yours?
- ✓ We enjoyed the movie a lot.
- ✓ Mother gave me a chocolate.
- ✓ He is my cousin.
- ✓ The girls prepared the food by themselves.
- ✓ Can you help us with this work?

**Teacher's Note** ★

"Grammar becomes easy when learning is mixed with creativity and fun. Enjoy the activities and keep practicing English every day!"

## Mathematics

1. Learn tables 2 to 20. Write and practice them.
2. Watch the Movie "RAMANUJAN" on YouTube and write about his contribution in the field of Mathematics. Also mention the name of theories that he has given to the world of Mathematics.
3. Google the "name of the Mathematicians who have got the noble prize". Write the name of any 5 mathematicians from the list and also mention the work for which they've got the noble prize.
4. Download and watch the movie "The man who knew Infinity". Write the 10 things that you liked the most. Write two ideas which inspired you to study Mathematics.
5. Find 'Maximum' Temperatures and Minimum temperatures for 15 days and write down in your holiday homework notebook
6. How many family members do you have? Write their names, their relation with you and their ages. Also arrange their ages in ascending order.
  - \* Calculate the perimeter and area of the different rooms of your house.
  - \* Math Project : - Laws of Exponents and Data handling.
  - \* Working Model on Algebraic identities.

## Worksheet

**Topics: Rational Numbers, Exponents, Squares & Square Roots, Cubes & Cube Roots, Playing with Numbers, Algebraic Expressions, Factorisation**

### Section A – Rational Numbers (Questions 1–10)

1. Find the additive inverse of  $-\frac{7}{9}$ .
2. Simplify:  $\frac{5}{8} + \frac{3}{4}$
3. Subtract:  $\frac{11}{15} - \frac{2}{5}$
4. Multiply:  $\frac{7}{9} \times \frac{3}{14}$
5. Divide:  $\frac{5}{6} \div \frac{10}{9}$
6. Write any three rational numbers between  $\frac{1}{3}$  and  $\frac{2}{3}$ .
7. Is 0 a rational number? Give reason.
8. Find the reciprocal of  $-\frac{13}{17}$ .
9. Simplify:  $(-\frac{4}{5}) + (\frac{9}{10})$
10. Represent  $\frac{3}{4}$  on the number line.

### Section B – Exponents and Powers (Questions 11– 20)

1. Simplify:  $2^3 \times 2^4$
2. Simplify:  $5^7 \div 5^3$
3. Find the value of  $(3^2)^3$ .
4. Express 125000 in standard form.
5. Simplify:  $10^5 \times 10^{-2}$
6. Write the expanded form of  $7^4$ .
7. Evaluate:  $2^5 + 3^2$
8. Simplify:  $6^0$
9. Find the value of  $(-2)^4$ .
10. Simplify:  $4^3 \div 4^2$

**Section C – Squares and Square Roots (Questions 21–30)**

1. Find the square of 27.
2. Find the square root of 144.
3. Find the square root of 625.
4. Is 2025 a perfect square?
5. Find the smallest number to be multiplied by 12 to make it a perfect square.
6. Find the square root of 2304.
7. Find the square of  $-19$ .
8. Write the first five perfect square numbers.
9. Find the square root of 1600.
10. Find the least number which must be subtracted from 50 to make it a perfect square.

**Section D – Cubes and Cube Roots (Questions 31– 40)**

1. Find the cube of 12.
2. Find the cube root of 343.
3. Find the cube root of 729.
4. Is 1728 a perfect cube?
5. Find the cube of  $-5$ .
6. Find the cube root of 1000.
7. Write the first five perfect cubes.
8. Find the cube root of 2197.
9. Find the cube of 15.
10. Find the smallest number by which 54 should be multiplied to make it a perfect cube.

**Section E – Playing with Numbers (Questions 41– 50)**

1. Find whether 5376 is divisible by 9.
2. Find the HCF of 24 and 36.
3. Find the LCM of 18 and 24.
4. Write all prime numbers between 20 and 40.
5. Check whether 221 is a prime number.
6. Find the sum of the digits of 98765.
7. Write the divisibility rule for 11.
8. Find the prime factorisation of 84.
9. Find the greatest 4-digit number divisible by 15.
10. Find the smallest common multiple of 8 and 12.

**Section F – Algebraic Expressions (Questions 51– 60)**

1. Identify the terms in  $5x + 7y - 9$ .
2. Find the coefficient of  $a^2b$  in  $6a^2b$ .
3. Simplify:  $4x + 7x - 3x$
4. Add:  $(3a + 5b) + (2a - 4b)$
5. Subtract:  $(7x - 2y) - (3x + y)$
6. Multiply:  $5m \times 3n$
7. Simplify:  $2x + 5 - 3x + 9$
8. Write a binomial expression.
9. Find the value of  $2x + 3$  when  $x = 5$ .
10. Multiply:  $(x + 4)(2)$

**Section G – Factorisation (Questions 61–70)**

1. Factorise:  $x^2 + 5x$
2. Factorise:  $6a + 12$
3. Factorise:  $x^2 - 9$
4. Factorise:  $4y^2 - 25$
5. Factorise:  $3x + 6y$
6. Factorise:  $a^2 + 7a + 12$
7. Factorise:  $x^2 - 16$
8. Factorise:  $5m^2 + 10m$
9. Factorise completely:  $2x^2 + 8x$
10. Factorise:  $9p^2 - 49q^2$

# Science

## 1. Science Model / Activity

Make any one working or non-working model on:

- \* Rainwater Harvesting
- \* Solar System
- \* Water Purification
- \* Human Respiratory System
- \* Hydraulic Lift

Write a short explanation of the model.

## 2. Diagram Practice

Draw and label neatly:

1. Human Heart
  2. Structure of Atom
  3. Reproductive Parts of Flower
  4. Water Purification Process
- Use colours and proper labelling.

## 3. Investigatory Activity

Perform any two activities and write:

- \* Aim
- \* Procedure
- \* Conclusion
- \* Materials Required
- \* Observation

Suggested activities:

- \* Testing acidic/basic substances at home
- \* Germination of seeds
- \* Simple electric circuit
- \* Filtration of dirty water

## 4. Chart / Poster Making

Make a colourful chart on any one topic:

- \* Conservation of Resources
- \* Pollution Control
- \* Human Digestive System
- \* Save Environment
- \* Types of Force

## 5. Scientist Research Work

Write about any 5 scientists:

- \* Name
  - \* Contribution to Science
  - \* Invention/Discovery
- You may also paste pictures.

## 6. Revision Work

Revise the following chapters and prepare short notes:

- \* Crop Production and Management
- \* Force and Pressure
- \* Combustion and Flame
- \* Microorganisms
- \* Friction

## 7. Science in Daily Life

Write 10 examples showing use of science in everyday life.

Example:

- \* Electric iron
- \* Water filter
- \* Refrigerator

## 8. Science Quiz

Prepare 25 science GK questions with answers in notebook.

Instructions

- \* Complete all work neatly.
- \* Maintain proper headings and presentation.
- \* Use colours wherever required.
- \* Submit homework after summer vacations.
- \* Holiday homework marks will be included in internal assessment.


## Social Science

1. learn contents of part 1 Social Science
2. Learn capitals of State, Union territories and Neighbouring country of India.
3. Draw or paste map of India, Haryana and Rewari and write few lines on them. Use Colourful A3 sheet.
- 4.\*Make any two models


- a) Soil profile
- b) Rain water harvesting
- c) Indian Parliament
- d) Structure of Earth

5.\*Project work:- Use A4 border sheet

- 1.Topic: The Revolt of 1857: Introduction, Causes, Important Leaders, Effects
- 2.Topic: Resources and their types: Definition, Types, conservation
- 3.Topic: Indian Judicial System: Structure, Functions, Types

 Activity work (any two)

1. Make a chart Or A3 sheet showing Timeline of colonial Era.
2. Make a chart or A3 sheet showing types of resources with examples.
3. Do some creative presentation of fundamental rights and fundamental duties . ( Use A3 sheet)

 \*Note-

All sheets will use vertically

Paste pictures related to topics

Use color Pens and headings

Keep handwriting neat