



**SURAJ
SCHOOL
PATAUDI**

**SURAJ
EDUCATION**

6TH F & F1

*Summer
Vacation*

HOLIDAY HOMEWORK

SESSION 2026-27

Make your vacation
meaningful, fun-filled
and full of learning!



Name : _____

Class & Section : _____

Roll No. : _____

EXPLORE

LEARN

ENJOY

GROW

READ

LEARN

GROW

Greetings from SURAJ!!!!!!

General Instructions for Students

- * Engage in indoor recreational activities such as Ludo, Carom Board, Scrabble, Chess, and similar games that enhance cognitive and analytical abilities.
- * Extend assistance to your parents in routine household responsibilities such as organising cupboards, watering plants, and making beds. Such acts cultivate empathy, gratitude, discipline, and a sense of responsibility towards family members who tirelessly support and nurture you throughout the academic year.
- * Complete the Holiday Homework diligently and in strict accordance with the prescribed instructions.
- * Develop the habit of reading newspapers daily in order to enhance awareness, comprehension, and vocabulary.
- * Revise all concepts covered thus far to reinforce understanding and academic proficiency.

- * Parents are earnestly requested to encourage their wards to complete their assignments independently in order to foster self-reliance and confidence.
- * Necessary guidance and constructive supervision may be extended wherever required.
- * Originality, creativity, neatness, and sincere effort in the completion of work shall be highly appreciated.
- * Kindly regulate excessive screen exposure and discourage prolonged indulgence in mobile phones, video games, and other digital distractions. Instead, motivate children to engage in creative, productive, and skill-enhancing activities.

Regards
Sangita Das
Principal
Suraj School, Pataudi

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Subject - Computer

Class - 6th

Worksheet – 1

A. Fill in the blanks

- 1.A _____ computer is used in banks and schools.
- 2.Supercomputers are very _____ computers.
- 3.A laptop is a _____ computer.
- 4.Computers used for weather forecasting are called _____.
- 5.Desktop computers are kept on a _____.

B. Choose the correct answer

1.Which computer can be carried easily?

- a) Desktop b) Laptop c) Supercomputer

2.Which is the fastest type of computer?

- a) Tablet b) Desktop c) Supercomputer

3.Which computer is mostly used in offices?

- a) Desktop b) Mobile phone c) Smartwatch

4.A tablet works mainly with:

- a) Keyboard b) Touch screen c) Mouse
-

5.Which computer is smallest in size?

- a) Microcomputer b) Mainframe c) Supercomputer

C. Match the following

Column A.

1. Laptop
2. Supercomputer.
3. Desktop
4. Tablet
5. Mainframe.

Column B

- a) Portable computer
- b) Weather forecasting
- c) Used at desk
- d) Touch screen device
- e) Large organizations

D. Answer the following

- 1.What is a computer?
- 2.Name any three types of computers.
- 3.What is the difference between a desktop and a laptop?
- 4.Where are supercomputers used?
- 5.Why are tablets popular among students?

Worksheet – 2

- ### A. Fill in the blanks

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c) Latitude

d) Axis

B. Short Answer Questions

1. Define latitude and longitude.
2. What is the purpose of the Equator?
3. Name the four cardinal directions.
4. What is a globe?
5. Why is the Prime Meridian important?

C. HOTS Questions

1. If the Equator is 0° , how does it help in locating places?
2. How do GPS devices use latitude and longitude?
3. Why do we need both latitude and longitude to locate a place accurately?
4. What would happen if the Earth had no grid system?
5. How would life change if maps had no directional indicators?

Worksheet 2: Oceans and Continents

A. MCQs

- | | |
|--|---------------|
| 1. Which is the largest ocean? | |
| a) Atlantic | c) Pacific |
| b) Indian | d) Arctic |
| 2. How many continents are there? | |
| a) 5 | b) 6 |
| | c) 7 |
| | d) 8 |
| 3. Which continent is known as the 'Dark Continent'? | |
| a) Asia | b) Africa |
| | c) Europe |
| | d) Australia |
| 4. The smallest continent by land area is: | |
| a) Europe | c) Australia |
| b) South America | d) Antarctica |
| 5. Which ocean is located near the North Pole? | |
| a) Indian | c) Arctic |
| b) Pacific | d) Southern |

B. Short Answer Questions

1. Name all the oceans of the world.
2. Which continent do we live in?
3. Why is Antarctica called a frozen desert?
4. Name any three continents.
5. What separates Europe and Asia?

C. HOTS Questions

1. Why is the Pacific Ocean important for trade?
2. What challenges do people face living in polar continents?
3. How does the location of continents affect climate?

4. Why is the Arctic Ocean more frozen than others?
 5. Predict changes in continents if sea levels rise.
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Worksheet 3: Landforms

A. MCQs

1. A large area of flat land is called:
 - a) Plateau
 - b) Mountain
 - c) Plain
 - d) Valley
2. The Himalayas are:
 - a) Plains
 - b) Mountains
 - c) Plateaus
 - d) Islands
3. Which landform is formed by deposition of sand and sediments near water bodies?
 - a) Valley
 - b) Delta
 - c) Plateau
 - d) Canyon
4. The Deccan Plateau is located in:
 - a) China
 - b) India
 - c) Africa
 - d) Europe
5. Volcanoes are mostly found in:
 - a) Plains
 - b) Deserts
 - c) Mountains
 - d) Plateaus

B. Short Answer Questions

1. What is a plateau?
2. Give two examples of mountains.
3. How are plains useful for humans?
4. What is the difference between hills and mountains?
5. What is an island?

C. HOTS Questions

1. How do landforms affect human settlements?
2. Why are plateaus rich in minerals?
3. What problems can volcanic mountains cause?

4. Why are deltas important for agriculture?
 5. How do rivers help form valleys?
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Worksheet 4: Life on Different Landforms

A. MCQs

1. People living in mountainous areas mostly wear:
 - a) Cotton clothes
 - b) Woolen clothes
 - c) Raincoats
 - d) Shorts
2. Life in deserts is difficult due to:
 - a) Heavy rainfall
 - b) Lack of water
 - c) Too many forests
 - d) Snow
3. Which landform is densely populated due to fertile soil?
 - a) Mountains
 - b) Plateaus
 - c) Plains
 - d) Islands
4. Which community usually lives in polar regions?
 - a) Nomads
 - b) Tribals
 - c) Eskimos
 - d) Farmers
5. Life on islands is:
 - a) Isolated
 - b) Crowded
 - c) Mountainous
 - d) Industrial

B. Short Answer Questions

1. Why are plains good for farming?
2. How do people adapt to life in deserts?
3. What do Eskimos eat and wear?
4. What challenges do people face in mountain regions?
5. Name two occupations of people living in coastal areas.

C. HOTS Questions

1. Why is it harder to build roads in the mountains?
 2. What would life be like if humans lived only on mountains?
 3. How do people in different landforms conserve water differently?
 4. In what ways do human activities change landforms?
 5. Why is disaster preparedness more necessary in mountainous areas?
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Worksheet 5: Combined Review Worksheet

A. MCQs

1. Which of the following is NOT a continent?
 - a) Europe
 - b) Asia
 - c) Africa

d) Arabia

2. A system of lines used to locate places on Earth is called:

a) Timeline

b) Grid

c) Axis

d) Circle

3. Which landform is suitable for agriculture?

a) Desert

b) Plateau

c) Mountain

d) Plain

4. Which ocean lies between Africa and Australia?

a) Arctic

b) Indian

c) Atlantic

d) Southern

5. Which tool helps find direction on a map?

a) Ruler

b) Compass

c) Key

d) Grid

B. Short Answer Questions

1. Name any three continents and one ocean.
2. What is the use of latitude and longitude?
3. Name any two types of landforms.
4. How is life different in plains and deserts?
5. What is the Prime Meridian?

C. HOTS Questions

1. Why do people choose to settle near rivers?
2. How does climate affect life on different continents?
3. How can maps help in disaster planning?
4. How do oceans affect global weather?
5. Imagine a new landform is discovered. What factors should be studied about it?



Case Study 1: Understanding the Globe

Case Study:

Riya is a student who loves geography. One day, her teacher brought a globe to the classroom and asked the students to locate the Equator, the Prime Meridian, the Tropic of Cancer, and various continents. Riya noticed that the globe is a miniature model of Earth and helps in understanding the concept of time zones, latitude and longitude, and how the Earth rotates. She also realized that a globe cannot show detailed features like roads and small towns.

MCQs:

1. What does a globe best represent?
 - a) Weather patterns
 - b) Political relations
 - c) Earth's surface
 - d) Solar System
2. Which line divides the Earth into the Northern and Southern Hemispheres?
 - a) Tropic of Capricorn
 - b) Prime Meridian
 - c) Equator
 - d) International Date Line
3. What is the Prime Meridian's longitude?
 - a) 90°
 - b) 0°
 - c) 180°
 - d) 45°
4. Which of these is a disadvantage of a globe?
 - a) It shows continents
 - b) It shows oceans
 - c) It cannot show minute details
 - d) It helps in locating time zones
5. Time zones are based on:
 - a) Lines of latitude
 - b) Ocean currents
 - c) Lines of longitude
 - d) Elevation

Short Answer Questions:

1. What is the use of a globe?
2. Define the Equator.
3. Name the hemispheres created by the Prime Meridian.
4. Why is a globe more accurate than a flat map?
5. What does the axis of the globe represent?

HOTS Questions:

1. Why can't a globe be used for detailed navigation in a city?
2. How does the rotation of Earth relate to time zones shown on the globe?
3. What would happen if there were no imaginary lines like latitude and longitude?
4. How can the globe help us understand the Earth's tilt and seasons?
5. If you were designing a globe, what feature would you add to improve it?

Case Study 2: Exploring Landforms

Case Study:

Arjun went on a school trip to different places in India. He visited the Himalayan mountains, the Thar Desert, the Western Ghats, and the Ganga plains. He learned that landforms like mountains, plateaus, plains, and deserts are shaped by natural forces such as wind, water, and tectonic movements. Each landform supports different kinds of life and activities. His teacher explained that understanding landforms helps in planning agriculture, settlements, and conservation.

MCQs:

1. Which of the following is a landform created by tectonic activity?
 - a) Plains
 - b) Mountains
 - c) Valleys
 - d) Beaches
2. The Thar Desert is an example of:
 - a) Plateau
 - b) Coastal plain
 - c) Mountain
 - d) Arid landform
3. The Himalayas are located in:
 - a) South India
 - b) Western India
 - c) Northern India
 - d) Eastern India
4. Which landform is best for agriculture?
 - a) Plateau
 - b) Mountains
 - c) Plains
 - d) Desert
5. A plateau is:
 - a) A flat lowland
 - b) A raised flat area
 - c) A sandy region
 - d) A steep hill

Short Answer Questions:

1. What are landforms?
2. Name the four major types of landforms.
3. How are mountains useful to humans?
4. What are the characteristics of plains?
5. Why are deserts not densely populated?

HOTS Questions:

1. How do landforms affect climate in a region?
2. Why are plains more suitable for farming than mountains?
3. How might human activities be different in the desert and in the mountains?
4. Can landforms change over time? If yes, how?
5. Imagine a landform that combines features of mountains and plains. What would life there be like?

Map work –

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MATHEMATICS

Instructions

- Complete all work neatly in a separate notebook.
- Show complete working wherever required.
- Attempt all questions.
- Use colours and creativity in project work.
- Revise concepts regularly.

WORKSHEET – 1

PATTERNS IN MATHEMATICS

MCQs

1. What comes next in the pattern?
2, 4, 8, 16, ____
a) 24
b) 30
c) 32
d) 34
2. Find the missing number:
5, 10, 15, 20, ____
a) 24
b) 25
c) 30
d) 35
3. Which pattern is formed by:
1, 4, 9, 16, 25?
a) Multiples of 2
b) Square Numbers
c) Prime Numbers
d) Odd Numbers
4. Complete:
3, 6, 12, 24, ____
a) 36
b) 42
c) 48
d) 50
5. Find the missing number:
100, 90, 80, 70, ____
a) 50
b) 55
c) 60
d) 65
6. Find the next term:
1, 8, 27, 64, ____
a) 81
b) 100

- c) 125
- d) 216

7. What comes next?
2, 5, 10, 17, 26, ____
- a) 35
 - b) 37
 - c) 39
 - d) 41

Short Answer Questions

1. Write the next five terms:
7, 14, 21, 28, ____
2. Complete:
1, 3, 6, 10, 15, ____
3. Create your own number pattern using multiplication.
4. Draw a shape pattern using triangles and squares.
5. Find the rule:
8, 16, 24, 32, 40
6. Complete the pattern:
11, 22, 33, 44, ____, ____
7. Write the first 10 triangular numbers.
8. Create a pattern using the rule “add 7” and write the first 10 terms.
9. Observe and find the rule:
4, 7, 10, 13, 16, ____
10. Draw a pattern using circles and stars.

WORKSHEET – 2

NUMBER PLAY

MCQs

1. Which is the smallest prime number?
 - a) 0
 - b) 1
 - c) 2
 - d) 3
2. Which number is divisible by 5?
 - a) 62
 - b) 75
 - c) 83
 - d) 91
3. Which is an even number?
 - a) 35
 - b) 57
 - c) 84
 - d) 99
4. HCF of 12 and 18 is:
 - a) 3
 - b) 6
 - c) 9
 - d) 12
5. LCM of 4 and 6 is:
 - a) 8

- b) 10
- c) 12
- d) 24

6. Which of the following is a prime number?
- a) 21
 - b) 27
 - c) 29
 - d) 39
7. Which number is divisible by both 2 and 5?
- a) 35
 - b) 40
 - c) 45
 - d) 55

Short Answer Questions

1. Reverse 583 and write the new number.
2. Arrange in ascending order:
567, 765, 657, 576
3. Write all factors of 24.
4. Write first 10 prime numbers.
5. Form the greatest number using digits:
4, 8, 2, 7
6. Find the HCF of 24 and 36.
7. Find the LCM of 8 and 12.
8. Write all factors of 48.
9. Write all prime numbers between 30 and 50.
10. Form the smallest 4-digit number using digits 5, 1, 8 and 3.

Hots Questions

1. If a number is divisible by both 2 and 3, then it is divisible by _____.
2. Find the odd number:
11, 13, 17, 21, 23
3. Write a 4-digit palindrome number.
4. A number leaves remainder 0 when divided by 2, 3 and 5. What is the smallest such number?
5. The sum of two consecutive numbers is 35. Find the numbers.

WORKSHEET – 3

FRACTIONS

MCQs

1. Which fraction is greater?
 - a) $\frac{1}{2}$
 - b) $\frac{3}{4}$
2. Equivalent fraction of $\frac{2}{3}$ is:
 - a) $\frac{4}{6}$
 - b) $\frac{3}{5}$

- c) $\frac{5}{7}$
- d) $\frac{6}{7}$
3. Simplify:
 $\frac{8}{12}$
 - a) $\frac{2}{3}$
 - b) $\frac{3}{4}$
 - c) $\frac{4}{5}$
 - d) $\frac{5}{6}$
4. $\frac{1}{4} + \frac{1}{4} =$
 - a) $\frac{1}{2}$
 - b) $\frac{1}{4}$
 - c) $\frac{2}{4}$
 - d) Both a and c
5. $\frac{5}{8} - \frac{2}{8} =$
 - a) $\frac{1}{8}$
 - b) $\frac{2}{8}$
 - c) $\frac{3}{8}$
 - d) $\frac{4}{8}$
6. Which fraction is smallest?
 - a) $\frac{1}{2}$
 - b) $\frac{1}{3}$
 - c) $\frac{1}{4}$
 - d) $\frac{1}{5}$
7. $\frac{3}{8} + \frac{2}{8} =$
 - a) $\frac{5}{8}$
 - b) $\frac{6}{8}$
 - c) $\frac{1}{8}$
 - d) $\frac{4}{8}$

Short Answer Questions

1. Compare:
 $\frac{3}{5}$ ____ $\frac{4}{5}$
2. Add:
 $\frac{2}{7} + \frac{3}{7}$
3. Subtract:
 $\frac{9}{10} - \frac{4}{10}$
4. Draw and shade:
 $\frac{3}{8}$
5. Convert into equivalent fractions:
a) $\frac{1}{2}$
b) $\frac{3}{4}$
6. Compare:
 $\frac{5}{6}$ ____ $\frac{4}{6}$
7. Add:
 $\frac{7}{12} + \frac{2}{12}$
8. Subtract:
 $\frac{11}{15} - \frac{4}{15}$
9. Write three equivalent fractions of $\frac{2}{5}$.
10. Draw a rectangle and shade $\frac{7}{10}$ of it.

HOTS Questions

1. Riya ate $\frac{3}{8}$ of a cake and her brother ate $\frac{2}{8}$. What fraction of the cake was eaten altogether?
2. A water bottle is $\frac{4}{5}$ full. If $\frac{2}{5}$ of the water is used, what fraction remains?

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- Number Patterns
- Shape Patterns

- Growing Patterns

Project 2: Number Detective(Roll no: 21-40)

Collect 20 numbers from newspapers and classify them as:

- Even
- Odd
- Prime
- Composite

WORKING MODELS

Model 1: Fraction Wheel

Prepare a rotating wheel showing:

- Whole
- Half
- Quarter
- One-Eighth

Model 2: Number Pattern Machine

Use a cardboard box and show:

- $\times 2$
- $+5$
- -3 rules

संस्कृत
कक्षा छठी

Holiday homework

1. शरीर के अंगों के नाम संस्कृत में लिखे व याद करें ।
2. कोई पांच फलों के नाम संस्कृत में लिखे व याद करें ।
3. कोई पांच फूलों के नाम चित्र सहित संस्कृत में लिखे व याद करें ।

ग्रीष्मावकाश गृहकार्य
कक्षा - छठी
विषय- हिंदी

