# OUR LADY OF FATIMA CONVENT SCHOOL

## ASSARPUR-BUDHANPUR

## PATIALA

## HOLIDAY HOMEWORK

## CLASS VI

General Instructions for Summer Holiday Homework

1. Time Management: Plan your work wisely. Set aside time each day to complete homework so it's not left until the last minute.

2. Neatness & Presentation: Do all your work neatly in your own handwriting. Label each assignment clearly with your name, class, and subject.

3. Be Creative: Use drawings, charts, and colors where needed. Add your own creative touch to make the work interesting.

4. Parental Support: Parents may guide you, but the work should reflect your own understanding and effort.

5. Submission: Submit all holiday homework on the first day after the vacation. Late submissions may not be accepted.

6. Spread Kindness: Do at least one act of kindness every week during the holidays—help your parents at home, feed birds, water plants, or assist a neighbor. Write a few lines about your experience.

7. Stay Safe in the Heat:

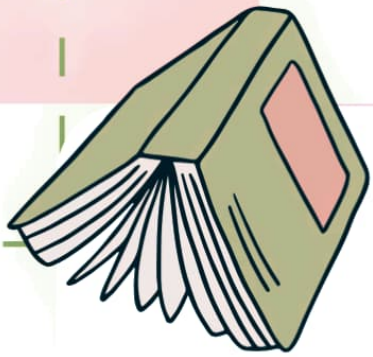
Drink plenty of water and stay hydrated.

Avoid going out in the afternoon sun.

Wear light, cotton clothes and a cap or umbrella if stepping outside.

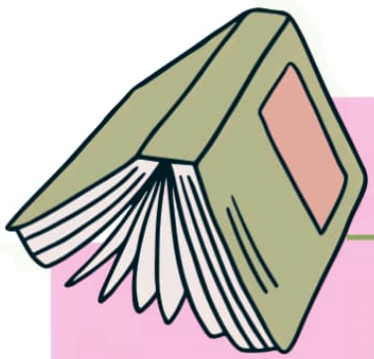
Eat fresh fruits and light meals.

8. Balance is Key: While completing homework, also take time to play, read storybooks, rest, and enjoy quality time with your family.




## ENGLISH

1.Prepare for PT 1.
2.Module 5:Class Room Assignment 35
(page number 215).
3.Module 5:Practice Assignment 24.
4.Practice Assignment 25 ( page no. 224).
5.(Roll no 1 to 4)Make model on Nouns.
6.All students will write ( A letter to your Uncle describing your visit to a Museum ).
7.All students will write ( A letter to the Principal of your school seeking permission to take part in the Quiz competition, because you missed the first round as you were not well)
. Note : Do this work on simple assignment sheets.

## MATH

**Select one model from the following to make.**

**A. MODEL MAKING ( R.No. 9 to 12)**

**1. A working model on types of angles.**

**2. A 3-D model on patterns in numbers.**

**3. A 3-D model on perimeter and area.**

**4. A working model on squares of numbers.**

**5. A 3-D model on fractions.**

- **Revise all the work done till date.**
- **WRITE AND LEARN TABLES FROM 12 TO 20.**
- **SOLVE THE GIVEN WORKSHEET OF MATHS IN YOUR MATHS REGISTER.**

## SCIENCE

- **Revise PT-1 Syllabus**
- **Solve the worksheet assigned on Assignment Sheets .**
- **All students will make one beautiful object each from recyclable material.**
- **Prepare Creative Chart and working model based alloted according to Roll no as well as subject .**
- **MODEL MAKING**
- **R.No 13 Make a marble Rollercoaster**
- **R.No. 14 Make a robot Hand**
- **R.No. 15 Make a working model of a Types of Motion**
- **R.No. 16 . Make a model of Solar Car**

## Class 6 Mathematics Worksheet

## (Chapters: Patterns in Mathematics & Number Play)

1. Write the next three numbers in the sequence: 2, 4, 8, 16, ___, ___, ___

2. What comes next: 1, 3, 6, 10, 15, ___, ___?

3. Fill in the blanks: 5, 10, 20, ___, ___, 160

4. Which number is both a square and a triangular number between 1 and 50?

5. Identify the pattern: 3, 6, 12, 24, ___, ___

6. Draw or describe how 36 can be arranged as a triangle and a square.

7. How many dots would be there in the 6th triangular number?

8. If a number sequence starts at 1 and each next term increases by the next odd number, what is the 5th term?

9. What is the next polygon in this sequence: triangle, quadrilateral, pentagon, hexagon, ___?

10. Count the number of sides in a nonagon and draw it.

11. Estimate the cost of buying 2 litres of milk and 3 bananas if milk costs ₹54/litre and bananas ₹7 each.

12. Create a 3x3 table of numbers between 100 and 999 where the middle cell is a supercell.

13. What is the digit sum of 8953?

14. Write three 3-digit numbers whose digits add up to 16.

15. How many 2-digit palindromes can you list?

16. Is 98689 a palindrome? Explain.

17. Perform Kaprekar's routine on 7531. What number do you eventually get?

18. What is the Kaprekar constant for 4-digit numbers?

19. Estimate the number of steps from your classroom to the Science Lab.

20. Which is greater: the number of breaths in a day or the number of students in your school?

21. Start with 19 and apply the Collatz rule. What is the sequence until you reach 1?

22. Try Collatz sequence starting from 12. How many steps until 1?

23. Fill the blank: 8450 + ___ = 12,000

24. Find a 5-digit number which is the sum of two 4-digit numbers.

25. What is 54321 – 32145?

26. List all 3-digit palindromes made from digits 1, 2, and 3.

27. Which is the smallest 5-digit number whose digits add up to 15?

28. In the 21 game, what numbers should you say to always win if you start first?

29. Design a number game using addition / Subtraction of digits. Describe its rules briefly.

30. What is the sum of the first six even numbers?

31. What happens when you add two consecutive triangular numbers like 6 + 10?

32. If 7 appears 110 times between 1 and 1000, how often would 3 appear?

33. How many digits are there in total from 1 to 99?

34. Write a 5-digit palindrome using only odd digits.

# Worksheet: Measurement of Length and Motion

## Multiple Choice Questions (MCQs)

**Q1: What is the SI unit of length?**
**(a)** Kilogram
**(b)** Metre
**(c)** Centimetre
**(d)** Millimetre

**Q2: Which of the following is a drawback of using body parts for measurement?**
**(a)** It is uniform
**(b)** It varies from person to person
**(c)** It is easy to understand
**(d)** It is historical

**Q3: What unit would you use to measure the length of a pencil?**
**(a)** Kilometre
**(b)** Metre
**(c)** Centimetre
**(d)** Milligram

**Q4: Which motion occurs when an object moves in a straight line?**
**(a)** Circular Motion
**(b)** Oscillatory Motion
**(c)** Linear Motion
**(d)** Periodic Motion

**Q5: What is the purpose of using a reference point?**
**(a)** To measure temperature
**(b)** To describe the position of an object
**(c)** To calculate area
**(d)** To estimate weight

## Fill in the Blanks

**Q1:** The distance from the tip of the thumb to the tip of the little finger is called a _____.
**Q2:** If the ends of a scale are broken, you can use any other full mark as the _____ point.
**Q3:** A _____ is a fixed point used to describe the position of an object.
**Q4:** One kilometre is equal to _____ metres.
**Q5:** The motion of a swing is an example of _____ motion.

## True or False

**Q1:** The metre is divided into 100 millimetres. (True/False)
**Q2:** An object is in motion if its position changes over time. (True/False)
**Q3:** Body parts are a reliable method for measurement. (True/False)
**Q4:** Circular motion is when an object moves in a straight path. (True/False)
**Q5:** The units of length should always be written with uppercase letters. (True/False)

## Match the Following

| Column A | Column B |
|---|---|
| 1. Metre | a) Repetitive back-and-forth movement |
| 2. Handspan | b) Distance measured using a body part |
| 3. Linear motion | c) The SI unit of length |
| 4. Oscillatory motion | d) Movement along a straight path |
| 5. Circular motion | e) Movement along a curved path |

# Worksheet: Materials Around Us

## Multiple Choice Questions (MCQs)

**Q1: Which of the following materials is used for making windows?**
**(a)** Wood
**(b)** Plastic
**(c)** Glass
**(d)** Metal

**Q2: What is the property of materials that determines whether they can be compressed?**
**(a)** Hardness
**(b)** Solubility
**(c)** Lustrous
**(d)** Density

**Q3: Which of the following materials is classified as non-lustrous?**
**(a)** Copper
**(b)** Paper
**(c)** Aluminum
**(d)** Gold

**Q4: Which material can be described as opaque?**
**(a)** Water
**(b)** Glass
**(c)** Wood
**(d)** Air

**Q5: In which state of matter does the material have a defined volume but no defined shape?**
**(a)** Solid
**(b)** Liquid
**(c)** Gas
**(d)** Plasma

## Fill in the Blanks

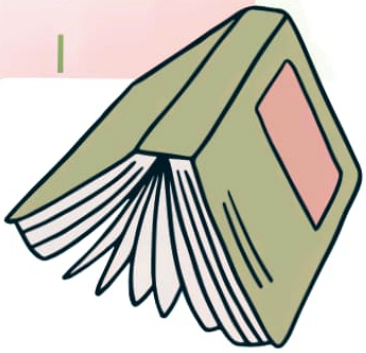
**Q1:** Materials that allow light to pass through are called _____.
**Q2:** The process of arranging materials or objects based on common properties is called _____.
**Q3:** _____ materials do not dissolve in water.
**Q4:** The unit of mass in the International System of Units (SI) is _____.
**Q5:** A common property of metals is that they are usually _____.

## True or False

**Q1:** All shiny materials are metals.
**Q2:** Wood is an example of a transparent material.
**Q3:** Plastic can be used to make a variety of objects.
**Q4:** Lustrous materials can lose their shine when exposed to air.
**Q5:** The volume of a liquid is usually measured in grams.

## Match the Following

| Column A | Column B |
|---|---|
| 1) Paper | A) Transparent |
| 2) Wood | B) Opaque |
| 3) Glass | C) Lustrous |
| 4) Metal | D) Non-lustrous |
| 5) Water | E) Transparent |



## SOCIAL STUDIES

- Revise PT-1 syllabus
- Prepare Chart and Model allotted according to the alloted Roll.No.s as well as subject .
- Roll No :5 Make a map on which show which state is famous for which species.(paste original species on it )
- Roll no 6 : Make a 3D model on archeological sourses of history
- Roll no 7: Make a globe and label on it important longitude and latitude
- Roll no 8: Make a 3D model on different types of families ( Nuclear and joint family)

## हिंदी

- अब तक करवाया गया काम याद करें।
- रोज़ाना पठन का अभ्यास करें।
- रोज़ाना सुंदर लिखाई का अभ्यास करें ।
- दो महिलाओं के बीच बढ़ती हुई कीमत को लेकर संवाद लिखिए-(For all students)
- परियोजना कार्य-
- Roll no -21 व्याकरण विषय क्रिया पर एक सुंदर मॉडल बनाइए।
- Roll no-22 पहली बूँद कविता पर एक चार्ट बनाइए।
- Roll no-23 संज्ञा पर एक मॉडल तैयार कीजिए।
- Roll no -24 मातृभूमि कविता पर एक चार्ट बनाइए।

## ਪੰਜਾਬੀ

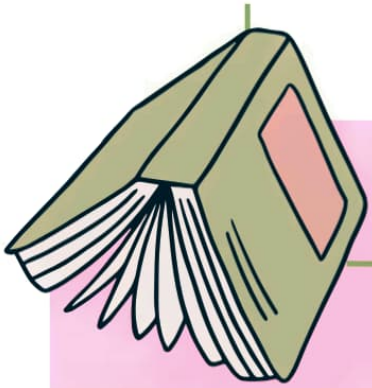
*Roll no.17 ਮਾਡਲ on ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ

*Roll no.18 ਮਾਡਲ on ਸਮਾਜ ਸੇਵਕ (related to NCC,NSS,SCOUTS,GUIDES etc.)

*Roll no 19. ਮਾਡਲ on ਪੇਂਡੂ ਸਭਿਆਚਾਰ

*Roll no 20. ਚਾਰਟ on ਭਾਸ਼ਾ

**Revise all UT 1 syllabus.



- **Model on Computational Thinking (Roll No: 25)**
- Concept: Create a 3D model showing the four pillars of computational thinking: Decomposition, Pattern Recognition, Abstraction, and Algorithm Design.
- Materials: Chart paper, foam sheets, colored paper, markers, and small objects to represent each pillar (like blocks or gears).
- Presentation: Arrange the four pillars in a sequence, using arrows to show the flow from one to the next. Add brief descriptions and real-life examples under each pillar.
- **Model on Flowchart (Roll No: 26)**
- Concept: Design a model demonstrating the structure of a simple flowchart, like the process of making a sandwich or solving a math problem.
- Materials: Cardboard, colored papers for shapes (ovals, rectangles, diamonds), markers, and connectors (like strings or arrows).
- Presentation: Clearly label each shape (Start, Process, Decision, End) and show the flow with directional arrows.
- Tip: Use a real-life example to make it engaging, such as “Flowchart of Getting Ready for School.”
- **Wheel on Shortcut Keys (Roll No: 27)**
- Concept: A rotating wheel showing different keyboard shortcuts on each segment.
- Materials: Two cardboard circles (one smaller), pin, markers, colored paper.
- Presentation: On the larger circle, write different categories (like Text Formatting, System Commands, Browsing). On the smaller circle, write specific shortcuts. Attach them with a pin so they rotate.
- Example: Ctrl + C (Copy), Ctrl + V (Paste), Ctrl + Z (Undo), etc.
- **Model of Digital Camera (Roll No: 28)**
- Concept: A 3D model demonstrating the basic parts of a digital camera.
- Materials: Cardboard box, plastic lens, small buttons, paint, and a printed image of a camera screen.
- Presentation: Highlight parts like the lens, viewfinder, shutter button, and screen. Label each part and write a brief function.
- Tip: Use real-world examples, like how a digital camera captures and stores images.

## GENERAL KNOWLEDGE

**Revise PT-1 Syllabus**

**Complete page no.27, 28 and 64 of Aptitude book and Current Affairs of April-May 2025.**

**Prepare a creative chart on Latest Achievements of India. (R.NO. 29 to 31)**

## ROBOTICS

**Take a chart paper and paste some pictures of the applications of Robots and decorate it.**

ENJOY

YOUR

HOLIDAYS