

**Dr. Virendra Swarup Education Centre, Avadhपुरी, Kanpur**

**Summer Holiday Assignment (2026-27)**

**Class - 6**

<b>Subject</b>	<b>Homework</b>
<b>English Language</b>	Ask your parents, how they used to spend their summer holidays and then compare their experience with your way of spending summer holidays. Present your ideas (100 words) on an art sheet. Complete chapters 1 and 2 in your language book.
<b>English Literature</b>	<ul style="list-style-type: none"><li>➤ Short reads- Read the chapters – Three Men in a Boat and Vacant Country from short reads.</li><li>➤ Prepare for English Literature unit test.</li></ul>
<b>Hindi Language</b>	<ul style="list-style-type: none"><li>➤ निम्नलिखित विषयों पर 150 शब्दों के अनुच्छेद लिखिए-<ol style="list-style-type: none"><li>१. आपके परिवार में आपके दादा दादी का स्थान</li><li>२. मोबाइल फ़ोन वरदान या अभिशाप</li><li>३. जब मैंने किसी की मदद की</li></ol></li></ul>
<b>Hindi Literature</b>	<ul style="list-style-type: none"><li>➤ आगामी परीक्षा में आने वाले पाठों से प्रतिदिन एक पेज सुलेख लिखें। (स्वच्छ एवं सुन्दर)।</li></ul>
<b>Mathematics</b>	<ul style="list-style-type: none"><li>➤ Solve the given worksheet in the comment sheets provided.</li></ul>
<b>Physics</b>	<ul style="list-style-type: none"><li>➤ Write about any five famous Indian scientists and their important discoveries, inventions and contributions in the field of science and technology.</li><li>➤ Also mention how their work has helped society and inspired generations (In Practical Notebook)</li></ul>
<b>Chemistry</b>	<ul style="list-style-type: none"><li>➤ Chemistry plays a vital role in our daily life but its misuse and excessive use can also cause harmful effects on human health and environment. Describe any five harmful effects of chemistry. (in Practical notebook)</li></ul>
<b>Biology</b>	<ul style="list-style-type: none"><li>➤ Draw a chart with 4 columns and 6 rows on A3 size paper. Label the column as Organelle, Picture, Function and Analogy. Fill the chart with the following organelles Vacuoles, Mitochondria, Lysosome, Chloroplast, Ribosome and Nucleus.</li><li>➤ In the picture column, draw each organelle neatly.</li><li>➤ In the function column, write what each organelle does.</li><li>➤ In the analogy column, write what it's similar to in real life. (like a factory, storage box etc.)</li></ul>

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<b>History</b>	<ul style="list-style-type: none"><li>➤ Research and create a poster showcasing key aspects of ancient Egyptian civilisation, including pyramids, pharaohs, Gods and daily life. Include drawings, pictures and a short paragraph explaining each element.</li><li>➤ Paste it in your notebook.</li></ul>
<b>Geography</b>	<ul style="list-style-type: none"><li>➤ Research and write about the traditional Canadian lumberjacks. Also mention High riggers, haulers, sawyers, skidders in your explanation to show the journey of wood from forest to final product in your notebook.</li></ul>
<b>Computer Science</b>	<ul style="list-style-type: none"><li>➤ Complete the pages from 60 to 69 in your <b>Safal Genius Book</b>.</li></ul>
<b>Art</b>	<ul style="list-style-type: none"><li>➤ Complete the given craft.</li></ul>

Section - A

**Q1. Using the digits 7, 0, 4, 9 and 2 only once, form:**

- The greatest 5-digit number
- The smallest 5-digit number
- Find the difference between the numbers formed in (a) and (b)

**Q2. The given figure represents the preferences of the students during breakfast in a hostel mess. If the total number of students in the mess is 540, then with reference to the given figure, answer the following questions:**



- What is the number of students who prefer coffee?
- Whose number is greater, milk drinkers or orange juice drinkers and by what number?
- What is the total number of students who drink mango shake or coffee? Is it equal to the number of milk drinkers?
- Is the sum of all fractions in the given figure equal to 1?

**Q3. Find the value using BODMAS:**

$$[48 \div \{6 + (3 \times 2)\}] \times 5 + 18$$

**Q4.** The product of two numbers is 864. If one number is 27, find the other number. Verify your answer.

**Q5. Find the HCF and LCM of:**

- 72 and 120
- 84, 126 and 210

**Q6.** A school arranged chairs in rows for a function. If 648 chairs are arranged equally in 18 rows:

- How many chairs are there in each row?
- If 6 more rows are added with the same number of chairs, how many chairs will be needed in total?

**Q7.** Check whether the following numbers are divisible by 2, 3, 5, 9 and 11:

- 58,905
- 73,458

**Q8. Find the prime factorization of:**

- 756
- 990

**Q9.** Arrange the following fractions in ascending order:  $\frac{5}{8}$ ,  $\frac{7}{12}$ ,  $\frac{11}{16}$ ,  $\frac{3}{4}$

Q10. Simplify:  $\frac{7}{9} + \frac{5}{12} - \frac{11}{18}$

Q11. The tank was  $\frac{5}{6}$  full of water. After using  $\frac{1}{4}$  of the water present in it, what fraction of the tank remained filled?

Q12. Find the value:

a)  $\frac{7}{15}$  of 450 ml

b)  $\frac{13}{24}$  of 864

Q13. Convert into decimals:

a)  $\frac{17}{20}$

b)  $\frac{59}{625}$

c)  $8\frac{7}{25}$

Q14. Simplify:  $45.78 + 16.905 - 8.764$

Q15. A stationery shop sold 12.75 m of ribbon on Monday, 8.6 m on Tuesday and 15.45 m on Wednesday.

a) How much ribbon was sold altogether?

b) If the shopkeeper had 50 m ribbon initially, how much ribbon was left?

c) The cost of 1 m ribbon is ₹18.50. Find the total cost of the ribbon sold on Wednesday.

## Section - B

Q16. Activity: The Decimal Dungeon Challenge

Arjun entered the famous Decimal Dungeon Game where players must clear 3 stages to unlock the treasure chest. At every stage, he collected magic crystals measured in decimals.

### Stage 1 – Crystal Cave

Arjun collected:

- 12.75 crystals from the blue cave
- 8.6 crystals from the red cave
- 5.45 crystals from the hidden tunnel

Questions:

a) How many crystals did Arjun collect in total in Stage 1?

b) If he used 7.8 crystals to unlock the next gate, how many crystals were left?

### Stage 2 – Potion River

To cross the river, Arjun prepared a magic potion using:

- 3.25 L dragon juice
- 1.75 L moon water
- 0.8 L fairy nectar

Questions:

a) Find the total quantity of potion prepared.

b) If each bottle can hold 1.5 L potion, how many full bottles can Arjun fill?

### Stage 3 – Treasure Tower

At the final tower, Arjun found 24.6 gold coins. He shared them equally among 3 teammates.

Questions:

a) How many coins did each teammate receive?

b) If Arjun kept 2.35 coins extra as bonus points, how many coins did he finally have?

**Section - C**  
**Comprehensive Questions**

**Q17.** The village of Ramapur is famous for its fruit orchards. The village grows a variety of fruits like orange, mangoes, grapes, banana and guava. The fruits are supplied all over India and even exported to western countries. The villagers have a total of 200 acres of land. If  $\frac{1}{4}$  of the total land is used for growing mangoes,  $\frac{1}{5}$  of the total for oranges,  $\frac{1}{6}$  of total for grapes and  $\frac{2}{3}$  of remaining land for guava.

*Calculate the following:*

- a) Total area of land for growing mangoes and oranges in acres.
- b) Area of land for growing bananas in acres.
- c) Area of land used for growing guava in acres.
- d) Cost of harvesting banana if per acre cost is ₹ 3650
- e) If 500 KG mangoes are harvested per acre, what will be the total quantity of mangoes harvested?

**Q18.** A shopkeeper purchased 240 notebooks and packed them equally into boxes. Each box contained 15 notebooks.

He sold:

- $\frac{2}{5}$  of the boxes on Monday,
  
- $\frac{3}{8}$  of the remaining boxes on Tuesday.

After that, he found that each unsold notebook cost ₹12.75.

*Answer the following:*

- a) How many boxes were prepared initially?
- b) How many boxes were sold on Monday?
- c) How many boxes remained after Monday's sale?
- d) How many boxes were sold on Tuesday?
- e) How many notebooks remained unsold finally?
- f) Find the total cost of the unsold notebooks.