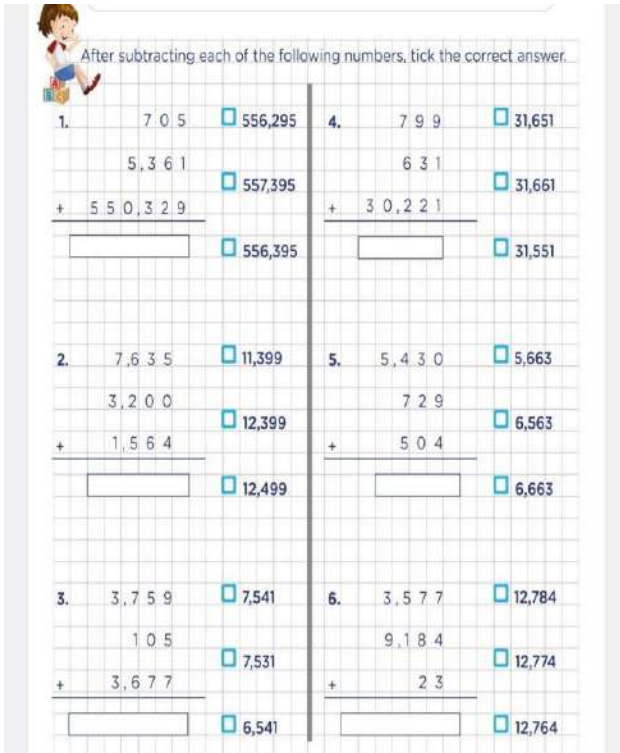# MAHARSHI PATANJALI VIDYA MANDIR , PRAYAGRAJ
HOLIDAY HOMEWORK
(SESSION - 2024-25)
CLASS - VI

NAME _____

Subject: Mathematics

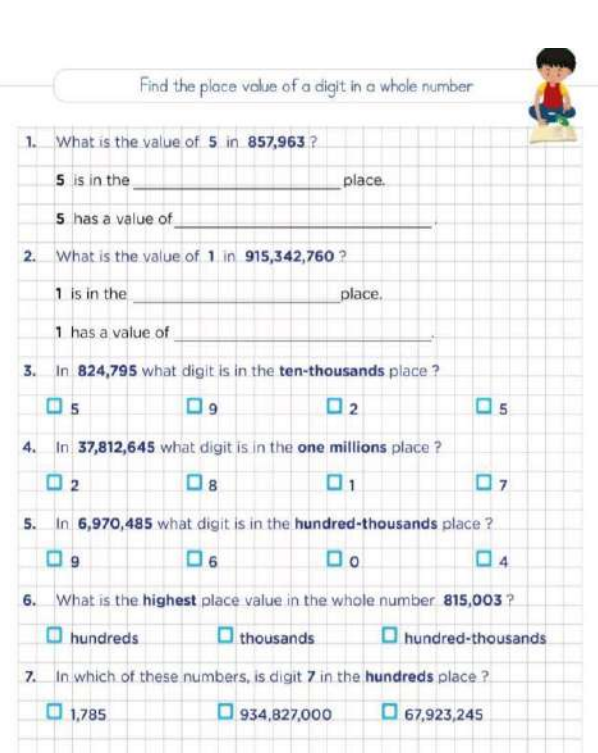## Q.1 Solve the following worksheets:

After subtracting each of the following numbers, tick the correct answer.

1.	705 5,361 + 550,329 ☐ [ ]	☐ 556,295 ☐ 557,395 ☐ 556,395
2.	7,635 3,200 + 1,564 ☐ [ ]	☐ 11,399 ☐ 12,399 ☐ 12,499
3.	3,759 105 + 3,677 ☐ [ ]	☐ 7,541 ☐ 7,531 ☐ 6,541
4.	799 631 + 30,221 ☐ [ ]	☐ 31,651 ☐ 31,661 ☐ 31,551
5.	5,430 729 + 504 ☐ [ ]	☐ 5,663 ☐ 6,563 ☐ 6,663
6.	3,577 9,184 + 23 ☐ [ ]	☐ 12,784 ☐ 12,774 ☐ 12,764

Find the place value of a digit in a whole number

1. What is the value of 5 in 857,963 ?

   5 is in the _____ place.

   5 has a value of _____.

2. What is the value of 1 in 915,342,760 ?

   1 is in the _____ place.

   1 has a value of _____.

3. In 824,795 what digit is in the **ten-thousands** place ?

   ☐ 5   ☐ 9   ☐ 2   ☐ 5

4. In 37,812,645 what digit is in the **one millions** place ?

   ☐ 2   ☐ 8   ☐ 1   ☐ 7

5. In 6,970,485 what digit is in the **hundred-thousands** place ?

   ☐ 9   ☐ 6   ☐ 0   ☐ 4

6. What is the **highest** place value in the whole number 815,003 ?

   ☐ hundreds   ☐ thousands   ☐ hundred-thousands

7. In which of these numbers, is digit 7 in the **hundreds** place ?

   ☐ 1,785   ☐ 934,827,000   ☐ 67,923,245

Q.2 Solve the following problems:

(i) Find the difference between the greatest and the least number that can bewritten using the digits 6, 2, 7, 4, 3 each only once.

(ii) A book exhibition was held for four days in a school. The number of tickets sold at the counter on the first, second, third and final day was respectively 1094,1812, 2050 and 2751. Find the total number of tickets sold on all the four days.

(iii) The distance between the school and the house of a student's house is 1km875m. Every day, she walks both ways. Find the total distance covered by her insix days.

(iv) Write the numeral and expanded form for the following number names:
   a. Five million two hundred thousand and fifty

   b. Two crore two lakh two thousand two hundred and two

   c. Ten crore twenty thousand eight

   d. Eighty-five lakh six hundred twelve

   e. Thirty-Eight million one hundred thousand and Eight

(v) Estimate first, then solve the following:
  a. 449 + 4317
  b. 8325 – 491
  c. 578 x 29
  d. 92 x 31

Q.3. Perform the following activity:

To determine the number of lines of symmetry of following shapes by paper folding

(a) equilateral triangle   (b) isosceles triangle   (c) square   (d) rectangle   (e) rhombus

Learning Objective : To understand line symmetry of plane figures and draw their lines of symmetry.

Pre-requisite : Knowledge of line symmetry of plane figures.

Materials Required : Knowledge of line symmetry of plane figures.

Materials Required : Cutouts of the geometrical figures, equilateral triangle, isosceles triangle square rectangleW and rhombus.

Procedure :

Step 1. Take a cutout of an equilateral triangle. Fold it through a vertices so that the two parts of the triangle cover each other exactly, Fig. (a).

Step 2. Unfold and mark the crease or the line of fold. The triangle is said to have a symmetry called line symmetry. This line of fold is called a line of symmetry of the triangle.

Step 3. Fold the triangle again in the same way through other two vertices Fig. (b) to get two more lines of symmetry.

Step 4. Now take a cutout of an isosceles triangle and follow Steps 1 and 2 above. Mark the line of symmetry, if any.

Step 5. Repeat the activity by taking cut out of a square, a rectangle and a rhombus. Mark lines of symmetry in each case, if any.
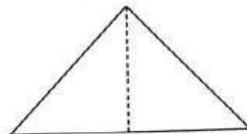
Fig. (a)

Fig. (b)
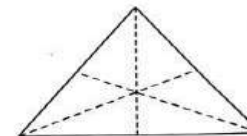
Observations : Complete the following table :

Figure	Lines of Symmetry	Number of Lines Symmetry
Equilateral triangle		3
Isosceles triangle.		
Square		
Rectangle		
Rhombus		

NOTE: The above questions have to be done in your classwork register.

Q.4 Project Work:

A) Using **match sticks** paste the Roman Numerals from 1 to 20 in A4sheets.

B) Using **chart paper** cut out 3 figures and paste them on A4 sheets each having:

● One line of symmetry

- Two lines of symmetry
- Three lines of symmetry

  NOTE: **Q.4 has to be submitted in a file neatly.**

Subject: Computer

- Create a presentation on the topic **"Computer Language"**. Prepare 6-8 slides including the heading like different types of languages, need for language and language translator.
- Draw a decision flowchart to find out whether a person is eligible to vote or not in MS word.
- Write an algorithm to prepare chocolate shake.

Subject- Biology/Chemistry

1.You are a chief Chef of a Restaurant in Prayagraj
You can name your restaurant.
Design a Menu card for your restaurant keeping in mind Healthy foods for children.
Include (I) Drinks (ii) Soup (iii) Starters (iv) Salad (v) Main Course (vi) Desserts
Note: 1) Make it attractive by using pictures /drawings.
2) Mention the nutritional benefits or nutrients present in each dish.
Do any one
2. Prepare a list of the special food items cooked during any three festivals at your home. Write its importance and nutritional value.
                    OR
Compare the traditional whole indian food with modern processed food on the basis of food groups with the help of diagrams only (1) Energy giving food (1) Body building group (iii) Protective food

Do any one
3 Classify the different types objects in your home according to their properties (4 each)
(i) Lutrous and non-lustrous (ii) hard and soft (iii) soluble and insoluble (miscible and immiscible liquids (iv) floating and sinking (v) transparent, translucent and opaque materials
                OR
Write about the life and work of Acharya Kanada.

Subject- Physics

1. Give two examples each of the modes of the transport used on land , water, air.
   (a) Land : _____,_____.
   (b) Water:_____,_____.
   (c) Air:_____,_____.
2. What will you use to measure the following:
   (ruler, metre rod, metre scale, measuring tape)

(a) Length of the book:_____
(b) Height of a rack:_____
(c) Length of a swimming pool:_____
(d) Length of the tree:_____
(e) Length of a play ground:_____
(f) Measure of a cloth:_____

3. Identify the type of motion observed in the following objects:
   (a) Motion of an electric fan-_____
   (b) A child sitting on a merry- go-round-_____.
   (c) Falling of an apple from tree-_____
   (d) Motion of flies on fruits-_____

4. An activity:

Construct a pendulum wave toy using rubber bands, pencil, string, foam core, round beads.
For reference students can use this link also
(https://youtu.be/JsIgubUjTck?si=G32KBDm6jp5fee1x)

Subject - SOCIAL SCIENCE

1. Visit a monument in your city and collect information about it. Also click photographs and paste them on a sheet along with the captions.

Help Box
1. Name of the Ruler
2. Occasion of construction
3. Year of construction
4. Pictures

2. Prepare a presentation on the topic **Unity in Diversity** using relevant information, colourful pictures and quotes.

OR

What should be done to conserve our atmosphere? Explain in brief and paste some pictures related to the topic in your class work copy.

Help Box - Planting trees, bird house, use of bicycle or electric vehicle, save water, save electricity (Mention the steps taken by you)

3. Make a model of the Solar System on a chart paper using big and small balls or clay dough.

OR

Show the day and night pattern with the help of globe and light

Subject –English

To develop a reading habit in our students and make reading a part of their regular routine we have suggested few books to be read in your summer holidays and do the creative activities associated with it. The books recommended for reading are:-
1. Treasure Island - Robert Louis Stevenson
2. The Old Man And His God – Sudha Murty
   ### *Treasure Island Activity*
1. *Published in 1833 and set in the 1700s, "Treasure Island" is one of the best-known examples of a classic adventure story. Hopefully you enjoyed reading the book and it kept you hooked until the very end, but just how did you read it? On the basis of your reading let's review the book:-*
BOOK REVIEW
- 📃 Title of Book:
- Author:
- Plot:-
- Illustrator:-
- My favourite character and why ? Draw the picture of the character also:-
- My favourite part in the story which I loved to read:
- Words and phrases that I liked in chap 1,2 and 3:
- An unusual stranger called the Captain came to stay at the Admiral Benbow Inn, which was owned by Jim and his mother. The Captain liked to tell exciting pirate stories. Write any 1 short one that he narrated to Jim and his mother.

Creative work assignment – The students will use file pages to write the review of the book and insert the pages in a file.The file and the pages are to be decorated.
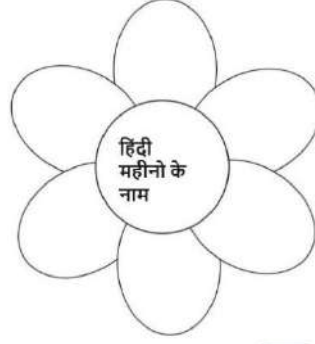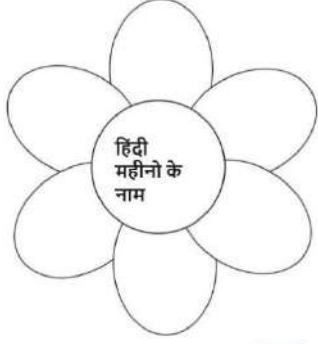### * FUN WITH VOCABULARY*
1. **Chapter -31 Words Often Confused**
Go through all the word pairs given in the chapter. Read them together and understand the difference between each pair of definition. Do the exercises of this chapter in both the grammar book and notebook.
2.Learn and do the exercises of **chapter 28 (Punctuations and Capital Letter) and 32** (**Synonyms and Antonyms**) in the grammar book itself .

हिन्दी

1. दिए गए चित्र में हिन्दी महीनों के नाम लिखें और रंग भरे -

हिंदी महीनों के नाम

हिंदी महीनों के नाम

2. उपसर्ग / प्रत्यय और मूल शब्द छांटकर लिखिए और शब्द का अर्थ लिखिए -

स्वराज्य .... + ...
प्रकृति .... + ...
शिक्षित .... + ...
सुगंधित .... + ... + ...

3. अपने प्रिय खिलाड़ी के बारे में 100 शब्दों में एक अनुच्छेद लिखिए और उसके खेल के साथ खिलाड़ी का छाया चित्र बनाएं अथवा चिपकाएं।

4. दिए गए संज्ञाओं को उनके सही स्थान पर लिखो –

भारत, सोना पेड सुरेश, मिगस, दिल्ली, राजस्थान, मित्रता, जंगल, हरियाली.
ईमानदारी, राजधानी, भीड, पानी, सेना, टोली, तेल, आगरा, लड़का

व्यक्तिवाचक

जातिवाचक

भाववाचक

समूह वाचक

द्रव्यवाचक

5. प्रकृति हमें बहुत कुछ देती है, हम प्रकृति का ध्यान किस प्रकार रख सकते हैं। इसके बारे में 8 से 10 वाक्य लिखिए और उससे संबंधित चित्र भी चिपकाएँ।

संस्कृत

1. चित्रों को देखकर लट् लकार के प्रथम पुरुष तीनों वचनों के धातु रूप चित्रों के नीचे भरिए। Page no(34,35) (Sanskrit Mitram book)
2. 1 से 15 तक संस्कृत गिनती चित्रों के साथ लिखिए ।
3. पुल्लिंग, स्त्रीलिंग, नपुंसक लिंग के तीनों वचनों के पांच -पांच शब्द चित्रों के साथ काॅपी में लिखिए।
4. श्रीमद् भगवद्गीता प्रथम अध्याय के एक से तीन श्लोक अर्थ के साथ लिखिए। निर्देश- सभी ग्रीष्मावकाश के कार्य संस्कृत कॉपी में किए जाएंगे ।

The story books prescribed for the students who are not attending the camp are –

   1. **A Vibrant Adventure Tales by AK Srikumar**

      or

   2. **Gullliver's Travel**

      (abridged) by Jonathan Swift

Students have to read any one of the books.
An assessment of their reading skills from the prescribed books will be held in the last week of July.