



ARMY PUBLIC SCHOOL PATIALA (2021-2022)

HOLIDAYS HOME WORK ASSIGNMENT

CLASS: VI

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**SUBJECT: MATHEMATICS**

**NOTE:**

- 1) DO THE WORK NEATLY IN YOUR NOTEBOOK AND REVISE THE TOPICS COVERED SO FAR.
- 2) Learn Tables till 25.
- 3) There are three activities.

**Questions:**

- 1) Write each of the following numerals in words (in Indian system and international system).
  - a) 80060409
  - b) 234150319
- 2) Place commas correctly and write the numerals:
  - a) Three crore three lakh three thousand three hundred thirty three.
  - b) six billion one hundred ten million three hundred six
- 3) The cost of a steel almirah is Rs 22875. What is the cost of 465 such almirahs ?
- 4) The piece of a cloth required for a shirt is 2m 85cm. How much cloth is required for 18 such shirts?
- 5) The cost of 16 flats constructed by UP Awas and Vikas Parishad is Rs 24809520. What is the cost of each flat?
- 6) Estimate

65491	Tens	_____
65491	Hundreds	_____
65491	Thousands	_____
65491	Ten Thousands	_____

- 7) Estimate by rounding off each factors to nearest thousands. 28292 - 21496
- 8) Find the greatest 4-digit number using digits 7,9,8,5 without repetition.
- 9) Make the greatest and the smallest 4-digit numbers by using any one digit twice. 0, 5, 9
- 10) Express the product of 13 and 7 in Roman numeral.
- 11) Write the following in Hindu - Arabic system of numeration:
- (a) XXIX
  - (b) LXXXIX
  - (C) XCVIII
- 12) Arrange the following numbers in ascending order. 1808090, 1808088, 181888, 190909, 16060666.
- 13) Put appropriate symbol (<,>) in each of the following boxes: a) 47983505 [ ] 47893505  
b) 102394 [ ] 99887
- 14) Name top two most populous countries in the world. Find their population. Also, find the difference between them.
- 15) How many lakhs are there in one million?
- 16) What are whole numbers? Give examples of the whole numbers.
- 17) Fill in the blanks:
- Every natural number except \_\_\_ has a predecessor.
  - If we add the number \_\_\_ to the collection of natural numbers, we get the collection of whole numbers
  - \_\_\_\_\_ is the smallest whole number.
  - Whole numbers are closed under \_ and \_\_\_\_.
  - Division by is not defined.
  - If we add \_\_\_ to a number, we get its successor.
- 18) What is the difference between the predecessor and successor of the greatest 4- digit number?
- 19) Find the product of successor and predecessor of 99.
- 20) How many whole numbers are there in between 1064 and 1201?

21) Identify the property used in each of the following

cases: (a)  $25 + 13 = 13 + 25$

(b)  $40 \times 99 = 99 \times 40$

(c)  $25 + (10 + 20) = (25 + 10) + 20$

(d)  $25 \times (33 \times 12) = (25 \times 33) \times 12$

(e)  $13 \times (100 - 19) = (13 \times 100) - (13 \times 19)$

22) Simplify by using suitable properties (also state

them): (a)  $71 \times 56 + 29 \times 56$

(b)  $569 \times 17 + 569 \times 13 + 569 \times 70$

23) State which whole number is on the right of the other number on the number line. Also write appropriate sign ( $>$ ,  $<$ ) between them.

a) 728, 7028

b) 9926, 9962

24) Write all the factors of following

numbers: (a) 39                      (b) 75

(c) 76                                  (d) 60

25) Write first seven multiples of (a) 21 (b) 33

26) a) What are prime numbers? Is 17 a prime number?

b) What are even and odd numbers? Give three examples of each.

27) Test the divisibility of the following numbers by

11. a) 7169803      b) 901351 c) 818950

28) Test the divisibility of the following numbers

by 9. a) 1790184      b) 429714

29) Find the common factors of

(a) 20 and 28

(b) 56 and 120

30) Find first two common multiples of 12 and 18.

# ACTIVITIES

## Activity 1:

### OBJECTIVE

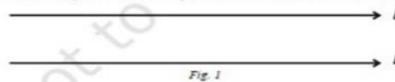
To verify that addition of whole numbers is commutative

### MATERIAL REQUIRED

Cardboard, white paper, graph strips, scissors, glue.

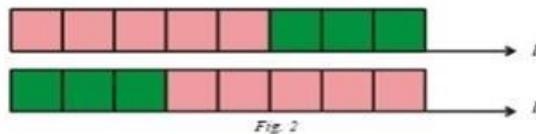
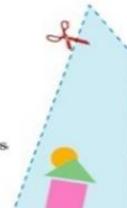
### METHOD OF CONSTRUCTION

1. Take a cardboard of convenient size and paste a white paper on it.
2. Take a graph paper and make two strips containing 'a' squares, say, 5 squares each and colour them pink. 
3. Similarly, make two strips each containing 'b' squares, say, 3 squares each and colour them green. 
4. Draw two straight lines on the cardboard as shown in Fig. 1.



### DEMONSTRATION

1. Now paste the pink and green strips side by side on lines  $l_1$  and  $l_2$  as shown in Fig. 2.



### OBSERVATION

From Fig. 2,

The length of the combined strips on line  $l_1 = 5 + 3$ .

The length of the combined strips on line  $l_2 = 3 + 5$ .

From Fig. 2, one can see that the length of combined strips on  $l_1$  is the same as the length of combined strips on  $l_2$ .

So,  $5 + 3 = 3 + 5$ .

That is, addition of 5 and 3 is commutative.

Repeat this activity by taking different pairs of numbers like 4, 5; 7, 2; 6, 7 and strips corresponding to these pairs.

Addition of whole numbers is \_\_\_\_\_

### APPLICATION

This activity can also be used to verify associative property for addition of whole numbers.

**Activity 2:** Write the following in Roman numerals using matchsticks on A4 paper. a) 48 b) 76

**Activity 3:** Make a collage on "MATHS IN OUR DAILY LIFE".

## **SUBJECT: SCIENCE**

1. Paste any four pictures of
  - (a) Herbivores
  - (b) Carnivores
  - (c) Omnivores

In Science H.W. notebook.

2. Draw following diagrams in Science C.W./notes notebook.
  - (i) Stems of the plants that are edible (any three)
  - (ii) Fruits of the plants that are edible (any three)
  - (iii) Energy giving foods (any four)
  - (iv) Body Building foods (any four)
3. Learn question/answers and back exercises of the following chapters:  
Ch-1 Food: Where does it come from?  
Ch-2 Components of Food  
Ch-3 Fibre to Fabric.

## **SUBJECT: SOCIAL SCIENCE**

- GEOGRAPHY** List down Five Countries and note down their Time difference between these Countries. Then make clocks for each of these countries.
- CIVICS** Make a Poster on 'Unity In Diversity'.
- HISTORY** Draw colorful diagrams of the 'Tools and Weapons of Early Man'.

❖ Read and learn the following chapters.

- GEOGRAPHY** Ch- 1 Our Earth in the Solar System  
Ch- 2 Globe: Latitudes and Longitudes
- CIVICS** Ch- 1 Understanding Diversity  
Ch- 2 Diversity and Discrimination
- HISTORY** Ch-1 What, Where, How and When?

## **SUBJECT: ENGLISH**

1. Read the following lessons and write a summary of each lesson along with drawings:
  - a.) Lesson 2 of Honeysuckle - How The Dog Found Himself A New Master.
  - b.) Lesson 2 of A Pact with The Sun - The Friendly Mongoose.
2. Make a Family Tree with pictures of The Family Members. Write and speak a few lines about each member and record.
3. Write an Article for The School Magazine

## **SUBJECT: HINDI**

1. अनुच्छेद :- 'समय का सदुपयोग' विषय पर एक अनुच्छेद लिखें।
  2. पत्र :- अपने विद्यालय के प्रधानाचार्य को अवकाश के लिए प्रार्थना पत्र लिखें।
  3. सुलेख :- किसी एक पृष्ठ पर सुलेख लिखें।
  4. कविता :- पक्षियों से सम्बंधित विषय पर कविता लिखें।
  5. कहानी :- 'परोपकार का फल मीठा होता है' शिक्षा से सम्बंधित एक कहानी लिखें।
- नोट - यह कार्य व्याकरण की पुस्तिका में लिखिए।  
लेख साफ़, सुंदर एवं स्पष्ट होना चाहिए।

## **SUBJECT: SANSKRIT**

1. संख्यावाचक शब्द - 1-20
2. शब्दरूप - देव, बालक
3. धातुरूप - भू, गम् (लट्, लृट् लकार)

नोट- \* सम्पूर्ण गृहकार्य व्याकरण निधि की पुस्तिका में लिखें एवं याद करें।  
\* लेख साफ़, सुन्दर एवं स्पष्ट होना चाहिए।

## **SUBJECT: PUNJABI**

ਨੋਟ:- ਛੁੱਟੀਆਂ ਦਾ ਸਾਰਾ ਕੰਮ ਆਪਣੀ ਪੰਜਾਬੀ ਦੀ ਕਾਪੀ ਵਿੱਚ ਲਿਖਣਾ ਹੈ ।

1. ਸੁੰਦਰ ਲਿਖਾਈ ਦੇ ਪੰਜ ਵਰਕੇ ਜਾਂ ਪੇਜ ਲਿਖੋ :-

- ਰਾਮ ਆ (ਪੰਨਾ ਨੰਬਰ - 25)
- ਮਹਿਮਾਨ ਆਇਆ (ਪੰਨਾ ਨੰਬਰ - 29)
- ਫਲ (ਪੰਨਾ ਨੰਬਰ -21)

2.ਪੰਨਾ ਨੰਬਰ:-26,27,30,31(ਭਾਗ-ੳ,ਅ,ੲ )ਆਪਣੀ ਕਾਪੀ ਵਿੱਚ ਲਿੱਖੋ ਤੇ ਯਾਦ ਕਰੋ ।

3.ਵਰਨਮਾਲਾ ਲਿਖੋ ਤੇ ਯਾਦ ਕਰੋ ।(5 ਪੰਨੇ)

4.ਮੁਕਤਾ ਸ਼ਬਦ ,ਕੰਨਾ ਸ਼ਬਦ, ਸਿਹਾਰੀ ਸ਼ਬਦ ਯਾਦ ਕਰੋ ।

## **SUBJECT: COMPUTER**

1. Solve Unit Test-1 (Page no 128) on book.

2. Make a Chart on Input devices/Output Devices.

## **SUBJECT: ART&CRAFT**

\* Do the following number of pages in the ART Book.

1. Any five pages of pencil shading.
2. Any two pages of colouring
3. Any five activities given in the book ( last few pages )

\* Draw and colour any two landscapes in your Drawing Files