

ARMY PUBLIC SCHOOL RANCHI

Holiday Home Work (Summer Break)

Class	ENGLISH	HINDI	MATH	SCIENCE	S. SC	SANSKRIT	GK	COMPUTER
VI	Read the chapter 'A Friendly Mongoose' and Answer the Textbook questions.	❀ ग्रीष्मावकाश कार्य ❀ 1. एक कविता लिखना है जो जल, नदी, चिड़िया अथवा वन पर आधारित होनी चाहिए। कविता छात्र स्वयं बनाकर लिखेंगे।	1. Activity 1-Verify that addition and multiplication is commutative for whole numbers by paper cutting and pasting.	1. Do the sprouting of some moong/chana seeds and complete page no. 8 & 9 in your Science Activity Book.	History Make a timeline showing different stage of your live, from birth till present day. You can also paste the pictures accordingly.	ग्रीष्मावकाश कार्य पुस्तक - रुचिरा भाग 1 1. शब्द रूपाणि - बालक, बालिका पुष्प एवं मुनि को याद करके लिखें। Page- 89 to 91	1. Write a short note on different gallantry awards and also paste their pictures.	1. Draw/paste the picture of all input devices in your computer copy and write their uses.
	Find out ten idioms and phrases, write their meanings and frame sentences.	2. दिए गए विकल्पों में से किसी एक पर निबंध लिखिए — 1. पेड़ों का महत्व 2. मेरे पिता जी 3. गंगा नदी 4. हमारा देश भारत	Activity 2-Find prime numbers from 1 to 100 by Sieve of Eratosthenes method.	2. Collect the sample of cotton, silk, wool and any synthetic fabric and paste it in your class notebook.	Geography 1. Make a diagram of the solar System on A4 size. 2. Locate all states, union territories and their capitals on Indian Political Map using Atlas.	धातु रूपाणि पठ् (पढ़ना) एवं गम् - गच्छ (जाना) को याद करके लटलकार: (वर्तमान काल:), लृटलकार: (भविष्यतकाल:) एवं लङ् लकार: (अतीत काल:) में लिखें। Page- 92 to 94	2. Write the names of any five national parks and the the pictures of protected animals in those national parks.	2. Draw/paste the picture of processing unit of computer in your computer copy and write their use.
	Write a Story on 'A man is known by the Company he Keeps'	3. पाठ्यपुस्तक वसंत भाग-१, पाठ- ३ नादान दोस्त - इस पाठ से आपने क्या सीखा अपने शब्दों में लिखिए।	Activity 3-Find HCF of two given numbers by paper cutting and pasting.	3. Weave any two coloured paper and give it any shape of your choice. Also complete page no. 19 and 20 in your Science Activity Book.	Civics Make a poster showing 'Unity in Diversity' in India on A4 size..		3. Revise all chapters that has been taught.	3. Draw/paste the picture of output devices of computer in your computer copy and write their uses.
		4. पिछली कक्षाओं में पढ़े व्याकरण - संज्ञा, सर्वनाम एवं विशेषण की परिभाषा अपने शब्दों में लिखें तथा उदाहरण भी दें।	4. Solve all the TRY THESE and EXAMPLES of the chapter 1 and 2 given in the textbook.	4. Learn all the questions and answers along with keywords given in chapter - 1, 2 and 3.	*Note - Revise the exercises and question answers of all the chapters done till now.			
		नोट:- सभी कार्य अपनी व्याकरण कॉपी में करें।	5. Learn and write multiplication tables (2-20)					

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	1)Who do you think is a rebel?Is it good to be a rebel?Justify your answer by expressing your viewpoints in front of everyone after the school reopens.	वसंत १) पक्षियों को पालना उचित है या नहीं, अपने विचार प्रकट करें।	1.Learn and write multiplication tables (2-20)	Prepare a model of Life cycle of silk moth	1. On a political outline map of India label the following:- • States and their capitals • Union Territories and their capitals • Neighbouring countries of India	पुस्तक-दिव्यम् संस्कृत-व्याकरणम् भाग २	1. On a chart paper, paste the cut-outs of the Union Territories of India and write a fun fact about each Union Territory	Solve the questions given in the activity page no.13 and 14 in your computer copy.
	2)Draw or stick pictures to narrate the story of 'Bringing Up Kari'.	२) नदियों से होने वाले लाभ के विषय में 20 वाक्य लिखें।	2. Activity 1,2,3 from Mathematics Activity Book.	Paste two animal fibres(wool, silk) in your science notebook	2. On an A4 size paper write a few lines on 'World Environment Day'.	1.शब्द -रूपाणि देव,लता, मुनि,साधु एवं पितृ को याद करके लिखें। Page-43 से 45	2. Paste/ draw the picture of any one type of dinosaur and write few lines about the same. (Use A4 size paper)	
	3)Write a short note on the importance of time in human life.	३) अपने पसंदीदा मौसम के विषय में 10 वाक्य लिखें।	3.Solve all the TRY THESE and examples question of the chapter 1 and 2 given in the NCERT textbook.	Write first three experiment of science lab manual in practical notebook	3. Imagine an ideal environment where you would love to live. Draw the picture of your ideal environment. (Use A4 size paper)	2.संख्यावाचक शब्दाः 1 से 100 तक संस्कृत में लिखें। Page- 63	3. Revise all chapters that have been taught.	
VII	4)Complete exercises from the Chapter on Pronouns.	व्याकरण १) भाषा लिपि व्याकरण की परिभाषा लिखें।	4. Revise all the chapters taught till date.	Learn all keywords and questions answers of Ch - 1,2 and 3	* Attach your work of 1,2 and 3 in a stick file	धातु रूपाणि- पठ् (पढ़ना) एवं गम् (जाना) को लट् लकारः, लृट् लकारः, लङ् लकारः, लोट् लकारः एवं विधि लिङ्ग लकारः में लिखें। Page-73		
	*Revise all the chapters taught till date.	२) अंतर स्पष्ट करें स्वर तथा व्यंजन अनुस्वार व अनुनासिक संधि तथा संधि विच्छेद	5. Activity 1,2,3		* Note : Revise all the portion done in class and learn all the Question-Answers done till now			
	*Complete your holiday homework in your grammar copies.	३) निम्नलिखित शब्दों का संधि विच्छेद करें विद्यालय, महात्मा, रजोगुण, जगदीश,दिगंबर, नरेश, स्वागत ।						
		बाल महाभारत देवव्रत, भीष्म प्रतिज्ञा, अंबा और भीष्म विदुर कुंती और कर्ण पाठ पढ़कर उनमें आए कठिन शब्दों को लिखें।						

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VIII	1. Write the types of sentences with two examples each.	१. अपनी किसी यात्रा के खट्टे - मीठे अनुभवों को याद करते हुए एक लेख लिखें।	<p align="center">ARMY PUBLIC SCHOOL RANCHI SUMMER HOLIDAY HOMEWORK - 2022-23 CLASS VIII MATHS</p> <p>1. Write the Activities from 1 to 5 from Maths Lab Manual. Complete it in a interleaf notebook. 2. Learn and write Multiplication Table from 2 to 20. (Complete it in a thin, covered/labellled note book.) 3. Solve following two worksheets (Complete it in same note book.)</p> <p align="center">RATIONAL NUMBERS</p> <p>1. Associative property is not followed by which type of numbers? 2. _____ is the identity for the addition of rational numbers. (a) 1 (b) 0 (c) -1 (d) 1 3. What is the multiplicative identity for rational numbers. 4. What is the additive inverse of $\frac{3}{4}$? 5. How many reciprocals does zero have? 6. Write: (i) The rational number that does not have any reciprocal at all. (ii) The rational numbers those are equal to their reciprocals. (iii) The rational number that is equal to its negative. 7. Give a rational number which when added to it gives the same number. 8. By what rational number should $\frac{22}{7}$ be divided, to get the number $\frac{11}{7}$? 9. Represent the following rational numbers on the number line. (i) $\frac{2}{3}$ (ii) $\frac{5}{6}$ (iii) 1.345 (iv) $\frac{22}{7}$ 10. If you subtract $\frac{1}{2}$ from a number and multiply the result by $\frac{1}{4}$, you get $\frac{11}{24}$. What is the number? 11. Find two rational numbers between (i) -3 and 3. (ii) 0 and 1. 12. Insert six rational numbers between (i) $\frac{1}{2}$ and $\frac{3}{4}$ (ii) $\frac{22}{7}$ and $\frac{11}{7}$ 13. Find two rational numbers between $\frac{1}{2}$ and $\frac{3}{4}$ 14. Verify that: (i) $\frac{1}{2} + (\frac{3}{4} + \frac{1}{5}) = (\frac{1}{2} + \frac{3}{4}) + \frac{1}{5}$ and $(\frac{1}{2} + \frac{3}{4}) + \frac{1}{5}$ are the same (ii) $\frac{1}{2} + (\frac{3}{4} - \frac{1}{5}) = (\frac{1}{2} + \frac{3}{4}) - \frac{1}{5}$ and $(\frac{1}{2} + \frac{3}{4}) - \frac{1}{5}$ are the same 15. Using suitable properties find: $\frac{1}{2} + \frac{3}{4} - \frac{1}{5} + \frac{1}{10}$</p> <p align="center">** SANKA **</p> <p align="center">LINEAR EQUATIONS IN ONE VARIABLE</p> <p>1. What is an linear equation? Give two examples. 2. Fill in the blanks: (i) Equations with linear expressions in one variable only are called _____ in one variable. (ii) The value of which makes the equation a true statement is called _____ of the equation. (iii) The solution of $2x - 3 = 7$ is _____. (iv) $3x^2 + x = 2$, then x is _____. (v) If $2y + 7 = 4$, then y is _____ 3. State whether the following statements are true (T) or false (F) (i) An equation containing one variable raised to the power of 1 is called the linear equation in one variable. (ii) The same number can be added to both sides of equation without changing the equality of two sides. (iii) The solution of $7x + 11 = 25$ is $x = 3$ 4. Which of the following equations are linear equations? (i) $\frac{1}{2}x + 4 = 2x - 3$, (ii) $x^2 + 2 = x + 1$, (iii) $u + \frac{1}{2} = 5$, (iv) $y - 3 = 3y + 4$ 5. Solve each of the following equations. (a) $3x - \frac{1}{2} = 3$ (b) $5x + 4 = 21$ (c) $-7x = 21$ (d) $18 - 7x = -3$ (e) $3(x - 4) = 21$ (f) $\frac{2x}{3} + \frac{10}{3} = 8$ (g) $3x - 9 = 5x - 3$ (h) $3(x - 3) = 4(2x + 1)$ 6. Solve for x: $4x - 7 = (x+4) = 3x + 4 - (2x - 1)$ 7. Solve for x: $\frac{3x+2}{4} + \frac{1}{2} = 2$ 8. The sum of three consecutive even numbers is 30. Find the numbers. 9. The sum of three consecutive odd numbers is 63. Find the numbers. 10. Rema's mother is four times as old as Rema. After 5 years her mother will be three times as old as she will then be. Find their present ages. 11. The sum of four consecutive multiples of 7 is 70. Find these multiples.</p> <p align="center">** SANKA **</p>	1. Write an article on 'Microbes have revolutionised the medical world'.	1. Make a list of sources which help us to know about history. 2. Make a chart on 'Fundamental Rights'.	ग्रीष्मावकाश काय पुस्तक - दिव्यम संस्कृतव्याकरणम् भाग 3 1. संधि प्रकरणम् - स्वर संधि के भेदों को याद करके उदाहरण सहित लिखें। Page- 11 से 15	Q1) What was the Illbert bill controversy? Q2) What is the Startup India Mission? Q3) What is B.1.1.7 S trimer RBD N?	1. Your school library runs on the database of books. Try to find out how your librarian uses that database. Create library database in MS Access. (Write the steps and draw the database on A4-Sheet)	
	2. Prepare a speech on Child Labour.	२. आपको छुट्टियों में किसके घर जाना सबसे अच्छा लगता है? वहाँ की दिनचर्या अलग कैसे होती है? लिखिए।	३. आपको छुट्टियों में किसके घर जाना सबसे अच्छा लगता है? वहाँ की दिनचर्या अलग कैसे होती है? लिखिए।	<p align="center">LINEAR EQUATIONS IN ONE VARIABLE</p> <p>1. What is an linear equation? Give two examples. 2. Fill in the blanks: (i) Equations with linear expressions in one variable only are called _____ in one variable. (ii) The value of which makes the equation a true statement is called _____ of the equation. (iii) The solution of $2x - 3 = 7$ is _____. (iv) $3x^2 + x = 2$, then x is _____. (v) If $2y + 7 = 4$, then y is _____ 3. State whether the following statements are true (T) or false (F) (i) An equation containing one variable raised to the power of 1 is called the linear equation in one variable. (ii) The same number can be added to both sides of equation without changing the equality of two sides. (iii) The solution of $7x + 11 = 25$ is $x = 3$ 4. Which of the following equations are linear equations? (i) $\frac{1}{2}x + 4 = 2x - 3$, (ii) $x^2 + 2 = x + 1$, (iii) $u + \frac{1}{2} = 5$, (iv) $y - 3 = 3y + 4$ 5. Solve each of the following equations. (a) $3x - \frac{1}{2} = 3$ (b) $5x + 4 = 21$ (c) $-7x = 21$ (d) $18 - 7x = -3$ (e) $3(x - 4) = 21$ (f) $\frac{2x}{3} + \frac{10}{3} = 8$ (g) $3x - 9 = 5x - 3$ (h) $3(x - 3) = 4(2x + 1)$ 6. Solve for x: $4x - 7 = (x+4) = 3x + 4 - (2x - 1)$ 7. Solve for x: $\frac{3x+2}{4} + \frac{1}{2} = 2$ 8. The sum of three consecutive even numbers is 30. Find the numbers. 9. The sum of three consecutive odd numbers is 63. Find the numbers. 10. Rema's mother is four times as old as Rema. After 5 years her mother will be three times as old as she will then be. Find their present ages. 11. The sum of four consecutive multiples of 7 is 70. Find these multiples.</p> <p align="center">** SANKA **</p>	2. Make a poster to create awareness among people about the impacts of polythene bags and also suggest some improved alternatives.	3. On the political map of India, locate all the States and Union Territories .	संख्यावाची शब्दाः - 1 से 100 तक याद करके संस्कृत में लिखें। Page- 59 से 60	Q4) Which country is the first to promote drones in civilian airspace? Q5) What is Param Praveg? Q6) Which is India's first OEMC site?	2. Write any five online payments App with figures/icons. (A4-Sheet)
	3. Picture Composition on any one of the fables of your choice. (Story/Poem)	३. निम्नलिखित कवियों की चार-चार रचनाओं के नाम लिखिए। तुलसीदास, सूरदास और मलिक मुहम्मद जायसी ४. आगत ध्वनियों "ज़ फ़ और ऑ" से पाँच - पाँच शब्द लिखें।	३. निम्नलिखित कवियों की चार-चार रचनाओं के नाम लिखिए। तुलसीदास, सूरदास और मलिक मुहम्मद जायसी ४. आगत ध्वनियों "ज़ फ़ और ऑ" से पाँच - पाँच शब्द लिखें।	<p align="center">LINEAR EQUATIONS IN ONE VARIABLE</p> <p>1. What is an linear equation? Give two examples. 2. Fill in the blanks: (i) Equations with linear expressions in one variable only are called _____ in one variable. (ii) The value of which makes the equation a true statement is called _____ of the equation. (iii) The solution of $2x - 3 = 7$ is _____. (iv) $3x^2 + x = 2$, then x is _____. (v) If $2y + 7 = 4$, then y is _____ 3. State whether the following statements are true (T) or false (F) (i) An equation containing one variable raised to the power of 1 is called the linear equation in one variable. (ii) The same number can be added to both sides of equation without changing the equality of two sides. (iii) The solution of $7x + 11 = 25$ is $x = 3$ 4. Which of the following equations are linear equations? (i) $\frac{1}{2}x + 4 = 2x - 3$, (ii) $x^2 + 2 = x + 1$, (iii) $u + \frac{1}{2} = 5$, (iv) $y - 3 = 3y + 4$ 5. Solve each of the following equations. (a) $3x - \frac{1}{2} = 3$ (b) $5x + 4 = 21$ (c) $-7x = 21$ (d) $18 - 7x = -3$ (e) $3(x - 4) = 21$ (f) $\frac{2x}{3} + \frac{10}{3} = 8$ (g) $3x - 9 = 5x - 3$ (h) $3(x - 3) = 4(2x + 1)$ 6. Solve for x: $4x - 7 = (x+4) = 3x + 4 - (2x - 1)$ 7. Solve for x: $\frac{3x+2}{4} + \frac{1}{2} = 2$ 8. The sum of three consecutive even numbers is 30. Find the numbers. 9. The sum of three consecutive odd numbers is 63. Find the numbers. 10. Rema's mother is four times as old as Rema. After 5 years her mother will be three times as old as she will then be. Find their present ages. 11. The sum of four consecutive multiples of 7 is 70. Find these multiples.</p> <p align="center">** SANKA **</p>	3. Science Lab Manual (Separate Practical Notebook) (a) To separate healthy seeds for sowing. (b) To compare the tensile strength of different fibres of same length and thickness.	4. Make a list of resources in and around you and classify them on various basis.	शब्दरूपाणि: - बाल, लता, मुनि, मति एवं साधु को याद करके लिखें। Page- 44 से 45	Q7) Where is the Burton Agnes Chalk Drum found? Q8) What is Quantum communication entanglement? Q9) Who got the ICC's spirit of cricket award?	3. Draw the Icon of the following - MS Access, MySQL, Oracle DB, Mongo DB, IBM DB2. (A4-Sheet)
	* Do holiday homework in your Grammar notebook.	५. पुरानी चीड़ियों से सजावट की कोई वस्तु बनाइए।	नाटः- सभी काय अपनी व्याकरण काँपी में करें।	<p>13. Arjun is three as old as Shreyas. 3 years ago his age was three times Shreyas's age. Find their present ages. 14. In $2x^2 - 7x - 2k = 0$, $x = \frac{1}{2}$ is a root. Find the value of k. 15. Find the solution of $3x - 4 = 12$ 16. Solve for x: $9 - 9x = 1$ 17. What should be subtracted from twice the rational number $-\frac{5}{6}$ to get $\frac{1}{2}$? 18. The sum of three consecutive multiples of 7 is 63. Find these multiples. 19. Solve $4x^2 - 7x = 2x + 3$ 20. Perimeter of a rectangle is 18cm. If its width is $1\frac{1}{4}$ cm, find its length. 21. The perimeter of a square is 16cm. Find the length of its side. If the perimeter of a square is 16cm, find the length of its side. 22. The digits of a two-digit number differ by 3. If digits are interchanged and the resulting number is added to the original number, we get 121. Find the original number. 23. $\frac{1}{2}x - \frac{1}{3} = \frac{1}{6}$. Find x. 24. Simply will be 3 years as old as he was 4 years ago after 10 years. Find his present age. 25. If the sum of two numbers is 80 and their ratio is $\frac{1}{3}$ then find the numbers. 26. If the sum of two numbers is 80 and their ratio is $\frac{1}{3}$ then find the numbers. 27. The numerator of a fraction is 2 less than the denominator. If one is added to its denominator, it becomes $\frac{1}{2}$. Find the fraction.</p>	4. Learn all the questions and answers along with keywords given in chapter - 1, 2 and 3.	5. Revise all the chapters covered in S.Sc.	Revise all chapters till 14	Attach all the gk holiday homework in a stick file	