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## SOMILA INTERNATIONAL SCHOOL

We Learn | We Grow | We Become

(A unit of Somdutt Deedwaniya Charitable Sansthan)

(N.H-758, Lakhola Chauraha, Gangapur, District – Bhilwara)

**CBSE** Affiliation No. - 1730903

School Code - 11264

## ~: HOLIDAY HOME-WORK 2023-24 :~

## ACADEMIC SESSION: ~ 2023-2024

CLASS: 10		CLASS TEACHER : MR. LUCKY K. SHARMA	
S. No.	SUBJECT	SUBJECT TEACHER	HOME-WORK
1	English	Mr. Lucky Sharma	A Letter to God - 1. Dialogue Writing Suppose one day, Lencho reveals to her wife that how he had written a letter to God and the incident of receiving the money etc. Construct a dialogue between Lencho and his wife, including the dissatisfaction of Lencho and reaction of his wife. 2. Prepare a Chart You must have noticed some Metaphors in the text like, 'Huge mountains of clouds' and 'An ox of a man' Write ten new metaphoric phrases and use them in your own sentences.
2	Hindi	Mrs. Anjana Bhatnagar	1.निम्नलिखित में से किसी एक विषय पर लगभग 80 शब्दों में सूचना लिखिए: (क) आप सुनील शर्मा / सुनीता शर्मा हैं और बाल विकास विद्यालय के विद्यार्थी सचिव हैं। विजय दिवस के अवसर पर विद्यालय में होने वाली अंतरविद्यालयी निबंध प्रतियोगिता की जानकारी देते हुए लगभग 80 शब्दों में सूचना तैयार कीजिए । (ख) आप निवासी कल्याण संघ के / की अध्यक्ष / अध्यक्षा अमृत कौशल/ अमृता रानी है । सोसायटी में आयोजित होने वाले दिवाली मेले की जानकारी देते हुए लगभग 80 शब्दों में एक सूचना तैयार कीजिए ।



3       Mathematics       Mrs. Sandhya       Solve these questions into notebook.       [ Chapter 1]         3       Mathematics       Mrs. Sandhya       Solve these questions into notebook.       [ Chapter 1]         3       Mathematics       Mrs. Sandhya       Q2. If p' is a prime number then what is the LC.M of the reason.         9       Q2. If p' is a prime number then what is the HC.F of the smallest prime number?         12000       Q3. After how many decimal places the decimal expansion of the rational number 14587/1250 will terminate?         9       Q3. After how many decimal places the decimal expansion of the rational number 14587/1250 will terminate?         Q4. The product of three consecutive positive integers is divisible by 6°. True or False. Justify.         Q5. Cloud hary       Q5. Cloud hary 40. A and 96 and verify that HCF and 1200 are 31. A are 30. A are 31. A are 30. A are 31. A are		<u> </u>		
3       Mathematics       Mrs. Sandhya Choudhary       Solve these questions into notebook. [ Chapter 1] Q1. What show any decimal places the decimal expansion of the rational number 14587/1250 will terminate? Q4. "The product of three consecutive positive intraate? Q5. Can two numbers have 18 as their HCF and 380 as their LCM2 Giver reason. Q6. Given 724 is rational, prove that 5 + 3√2 is an irrational number. (CBSE 2018) Q7. Using Euclid's Division Algorithm, find the HCF of 1260 and 7344. (CBSE 2019) Q8. Product of the rational, prove that 5 + 3√2 is an irrational number. (CBSE 2018) Q7. Using Euclid's Division Algorithm, find the HCF of 1260 and 7344. (CBSE 2019) Q8. Product of the Q3 is a zero of the				2. निम्नलिखित में से किसी एक विषय पर लगभग 60
3       Mathematics       Mrs. Sandhya Choudhary       Solve these questions into notebook. [ Chapter 1]         3       Mathematics       Mrs. Sandhya Choudhary       Solve these consecutive positive integers is divisible by 6". The or False, Justify.         3       Mathematics       Mrs. Sandhya Choudhary       Solve these consecutive positive integers is divisible by 6". The or False, Justify.         3       Mathematics       Mrs. Sandhya Choudhary       Solve these consecutive positive integers is divisible by 6". The or False, Justify.         3       Mathematics       Mrs. Sandhya Choudhary       Solve these consecutive positive integers is divisible by 6". The or False, Justify.         3       Mathematics       Mrs. Sandhya Choudhary       Solve these consecutive positive integers is divisible by 6". The or False, Justify.         3       Mathematics       Mrs. Sandhya Choudhary       Solve the consecutive positive integers is divisible by 6". The or False, Justify.         3       Mathematics       Mrs. Sandhya Choudhary       Solve the consecutive positive integers is divisible by 6". The or False, Justify.         3       Mathematics       Mrs. Sandhya Choudhary       Solve the consecutive positive integers is divisible by 6". The or False, Justify.         3       Jamatica and the consecutive positive integers is divisible by 6". The or False, Justify.       Solve the consecutive positive integers is divisible by 6". The or False, Justify.         3				शब्दों में विज्ञापन तैयार कीजिए :
3       Mathematics       Mrs. Sandhya Choudhary       Solve these questional number then what is the L.C.M of p. p.2,3?         3       Mathematics       Mrs. Sandhya Choudhary       Q. Can two numbers have 10 section of the product of three consecutive positive intrational number (CBSE 2018)         3       Mathematics       Mrs. Sandhya Choudhary       Image: CBSE 2018)         4       The product of three consecutive positive integers is divisible by 6". True or False. Justify.         9       Can two numbers have 18 as their HCF and 380 as their LCM? Give reason.         96.Given √2 is irrational number. (CBSE 2018)       Q7.Using Euclid's Division Algorithm, find the HCF of 1260 and 7344. (CBSE 2019)         98.Find HCF and LCM of 404 and 96 and verify that HCF x LCM = Product of the two given numbers.(CBSE 2018). For what value of k. (-4) is a zero of the polynomial x2 - x - (2k + 2)?(CBSE 2009)         1       Lesson 2]       Lesson 2]         1       For what value of k. (-4) is a zero of the				(क) कचरा प्रबंधन के प्रति आम लोगों में जागरूकता लाने के
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3. (क) संगति का फल शोर्षक विषय पर लगभग 100 शब्दों में एक लघुकथा लिखिए ।         (ख) आप रोहन दास / रोहिणी दास हैं। 'अ.व.स. पुस्तक भंडार के प्रवंधक महोदय को अपने घर के पने पर पुस्तक मंगवाने हेतु पुस्तक मंडार के ई-मेल पते पर लगभग 100 शब्दों में ई-मेल लिखे         Solve these questions into notebook. [ Chapter 1]         Q1. What is the H.C.F of the smallest compositenumber and the smallest prime number? (CBSE 2018)         Q2. If p' is a prime number then what is the L.C.M of p, p2,p3?         Q3.After how many decimal places the decimal expansion of the rational number 14587/1250 will terminate?         Q4."The product of three consecutive positive integers is divisible by 6". True or False. Justify.         Q5.Can two numbers have 18 as their HCF and 380 as their LCM? Give reason. Q6.Given √2 is irrational, prove that 5 + 3√2 is an irrational number.(CBSE 2018) Q7.Using Euclid's Division Algorithm, find the HCF of 1260 and 7344. (CBSE 2019) Q8.Find HCF and LCM of 404 and 96 and verify that HCF × LCM = Product of the two given numbers.(CBSE 2018). For what value of k, (-4) is a zero of the polynomial x2 - x - (2k + 2)?(CBSE 2009) [ Lesson 2]				(ख) 'सोलर कूकर' बनाने वाली कंपनी सूर्यरश्मि के प्रचार-
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3       Mathematics       Mrs. Sandhya       Solve these questions into notebook.       [CBS 2018]         3       Mathematics       Mrs. Sandhya       Q2. If p' is a prime number then what is the L.C.M of three consecutive positive integers is divisible by 6". True or False. Justify.         9       Q2. If p' is a prime number there that the the consecutive positive integers is divisible by 6". True or False. Justify.         9       Q5.Can two numbers have 18 as their HCF and 380 as their LCM? Give reason.         Q6.Given √2 is irrational, prove that 5 + 3√2 is an irrational number.(CBSE 2018)       Q7.Using Euclid's Division Algorithm, find the HCF of 1260 and 7344. (CBSE 2019)         Q8.Find HCF and LCM of 404 and 96 and verify that HCF × LCM = Product of the two given numbers.(CBSE 2018). For what value of k, (-4) is a zero of the polynomial x2 - x - (2k + 2)?(CBSE 2009)				3. (क) संगति का फल शीर्षक विषय पर लगभग 100 शब्दों
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1. For what value of p, (–4) is a zero of the				
polynomial x2 – 2x – (7p + 3)?				
				polynomial $x^2 - 2x - (7p + 3)$ ?

(CBSE 2009)
2 If 1 is a zero of the polynomial $p(x) = ax2 - 3(a - b)$
1) x – 1, then find the value of a.
(Al CBSE 2009)
3. If (x + a) is a factor of 2x2 + 2ax + 5x + 10 find a.
(Al CBSE 2008 F)
4 Write the zeroes of the polynomial $x^2 + 2x + 1$ .
(CBSE 2008)
5 Write the zeroes of the polynomial $x^2 - x - 6$ .
(CBSE 2008)
6. Write a quadratic polynomial, the sum and
product of whose zeroes are 3 and -2 respectively.
(CBSE 2008)
7. Write the number of zeroes of the polynomial y =
f(x) whose graph is given in the figure.
8.If the polynomial 6x4 + 8x3 + 17x2 + 21x + 7 is
divided by another polynomial $3x^2 + 4x + 1$ then
the remainder comes out to be ax + b, find 'a' and 'b'
(CBSE 2009)
9. If the polynomial x4 + 2x3 + 8x2 + 12x + 18 is
divided by another polynomial $x^2 + 5$ , the
remainder comes out to be px + q. Find the value of
p and q.
(CBSE 2009)
10. Find all the zeroes of the polynomial x3 + 3x2 – 2x – 6, if two of its zeroes are –
(AI CBSE 2009)
11 Find all the zeroes of the polynomial $2x3 + x2 - x^2$
6x – 3, if two of its zeroes are –
(AI CBSE 2009)
12. If $\alpha$ and $\beta$ are zeroes of the quadratic
polynomial x2 – 6x + a; find the value of 'a' if $3\alpha$ +
$2\beta = 20.$
(CBSE 2010, 2011)
[ Lesson 3]
1. The sum of the digits of a two digit number is 12.
The number obtained by interchanging the two
digits exceeds the given number by 18. Find the
number. (CBSE (CCE) 2011)
2. The sum of the numerator and denominator of a
fraction is 12. If 1 is added to both numerator and
denominator the fraction becomes <b></b> Find the fraction. (CBSE (CCE) 2011)
3. 4 men and 6 boys can finish a piece of work in 5

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			days while 3 men and 4 boys can finish it in 7 days. Find the time taken by 1 man alone or than by 1 boy alone. (CBSE (CCE) 2011) 4. A man travels 600km apart by train and partly by car. It takes 8 hours and 40 minutes if he travels 320 km by train and rest by car. It would take 30 minutes more if he travels 200 km by train and the rest by the car/. Find the speed of the train and by car separately. (CBSE (CCE) 2011) 5. Solve the equations graphically. $2x+y=2$ , $2y-x=4$ . Also find the area of a triangle formed by the two lines and the line y=0. (CBSE (CCE) 2011) 6. For what value of k will pair of equations have no solution? $3x+y=1$ , $(2k-1)x+(k-1)y=2k+1$ CBSE (CCE) 2012) 7. Solve the following pair of equations graphically. x+3y=6, $2x-3y=12$ . Also find the area of the triangle formed by the lines representing the given equations with y-axis. (CBSE (CCE) 2012)
4	Physics	Mr. Anil Chouhan	Do any one of the following - a) Define Ohm's Law, Draw Suitable Diagram, Drive relation between V and I of an electric circuit b) Define the Series combination of the resistance with suitable diagram , Drive equation for equivalent resistance , c) Define the Parallel combination of the resistance with suitable diagram , Drive equation for equivalent resistance , d) Define Resistivity of a conductor and relate it with the conductivity , draw a suitable graph in favor of your explanation.
5	Chemistry	Mr. Arif Mohammed Ansari	<ul> <li>(i) Prepare a project file and solve the NCERT EXEMPLAR PROBLEMS for chapter 1 'Chemical Reaction and Equations".</li> <li>Given below is the link to download the same: https://ncert.nic.in/pdf/publication/exemplarprob lem/classX/science/jeep101.pdf</li> <li>(ii) Find out the 50 formulae of any ten metals of reactivity series of their oxides, sulphates, carbonates, chlorides and nitrates. (Formula Making)</li> <li>(iii) Hang water-filled bags (SAKORE) for birds and</li> </ul>

			click a selfie with it and paste this photo on the last page of the project file.
6	Biology	Ms. Ankita Guin	Prepare a project on the topic ENDOCRINE SYSTEM with the well labeled diagram in biology notebook. NOTE: - Revise the chapter Life Processes.
7	Social Science	Ms. Priyanka Negi	You WILL select ONE from the following for project- 1. CONSUMER AWARENESS 2. SOCIAL ISSUES 3. SUSTAINABLE DEVELOPMENT