

New Era Public School
Holiday Homework (2021-22)
Class:VII
Subject:English

Q.1 Find any American short story and complete the following exercise.

TIC TAC TOE

Check the boxes you plan to complete. They should form a tic-tac-toe across or down.

<p style="text-align: center;"><input type="radio"/> Descriptive Words</p> <p>Use coloured pencils or pens to underline the descriptive words in the story.</p>	<p style="text-align: center;"><input type="radio"/> Vocabulary</p> <p>Are there any words in the story that you did not understand? List those words and look up for their meanings in the dictionary and note down their meanings.</p>	<p style="text-align: center;"><input type="radio"/> Different Ending</p> <p>What events in the story might have changed its ending? Change at least one important event in the story to write and alternate ending to the story.</p>
<p style="text-align: center;"><input type="radio"/> New in Class</p> <p>Imagine one of the characters in the story coming to your class who can have difficulty making new friends in the class. Write about what you might do to help him/her.</p>	<p style="text-align: center;"><input type="radio"/> Poetry</p> <p>Write a short poem of about 5 to 6 lines using the title of the story. Use words that are important in the story and complete poem.</p>	<p style="text-align: center;"><input type="radio"/> Test</p> <p>Create a 5 to 7 questions comprehension test for your story.</p>
<p style="text-align: center;"><input type="radio"/> In the Future?</p> <p>Do you think this story can take place in real in the future one hundred years from now? List at least 5 reasons why or why not.</p>	<p style="text-align: center;"><input type="radio"/> Struggles</p> <p>A main character in your book struggles with something that he/she may not be able to change. Have you ever faced any similar situation? Write about the struggle you faced and how you overcame it.</p>	<p style="text-align: center;"><input type="radio"/> Character Poster</p> <p>Create a poster to describe the main character of the story. On the poster, place the character in his or her setting.</p>

Q.2 There are a lot of poems that you must have read in your childhood. Choose any one favourite poem of yours and present it in the form of a story. Make a comic strip of the poem and add some interesting characters and dialogues to it. **The comic strip should be presented neatly and creatively on an A3 size sheet.**

Q3. Choose any poem of your choice and highlight as many poetic devices as you can. Label them with different colours.

Subject: Mathematics

(A) ACTIVITIES ON INTEGERS (To be done on A4 size sheets)

TASK 1: Evaluate and match the following by using suitable properties of integers. Name the property used in each part. Use the alphabet code given with the correct answer and draw an attractive and colorful image of the word formed.

- | | | | |
|-------|---|------------|----|
| (i) | $(-108) \times 34$ | 4975 | -N |
| (ii) | $(-153) \times 91 + 9 \times (-153)$ | (-51200) | -I |
| (iii) | $4 \times (-512) \times 25$ | (-15300) | -A |
| (iv) | $(-199) \times 25$ | $(-3,672)$ | -R |
| (v) | $2 \times (-69) \times 50$ | 9,990 | -W |
| (vi) | $(-7) \times 8 \times 10 \times (-125)$ | 70,000 | -O |
| (vii) | $(-111) \times (-89) + 111$ | (-6900) | -B |

TASK 2: (i) Record the minimum-temperature of the given five places of the world on a particular day in the month of May, 2021 in the form of the table given below:

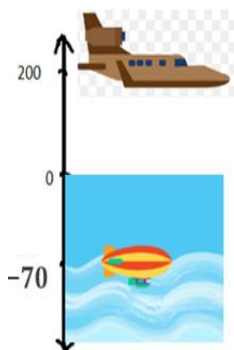
S.No	Name of the city	Minimum temperature in ($^{\circ}\text{C}$) on ____ May, 2021
1.	Snag, Yukon, Canada	
2.	Tallinn, Harju, Estonia	
3.	Oymyakon, Russia	
4.	Denali, USA	
5.	Astana, Kazakhstan	

(ii) Draw the temperature number-line given below and plot the cities according to the temperature recorded.

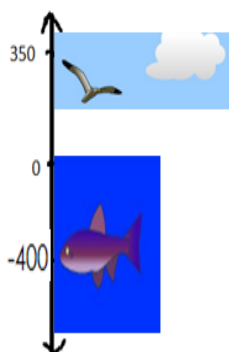


(Temperature in $^{\circ}\text{C}$)

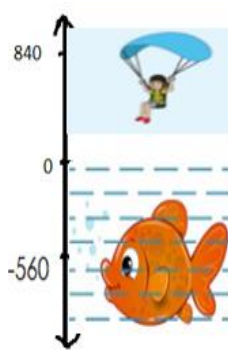
TASK 3: With the help of an imaginary number line of integers (in feet), find the vertical distance between the objects shown in the figures given below:



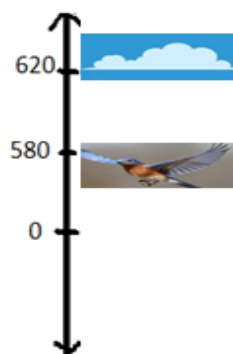
(i)



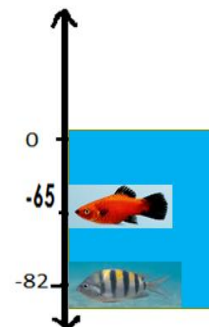
(ii)



(iii)



(iv)



(v)

(B) ASSIGNMENT (To be done in Mathematics notebook)

1. Arrange the following integers in ascending and descending order:

(-201), 138, (-213), (-197), 0, 241, (-256)

2. In a class test containing 10 questions, 4 marks are awarded for every correct answer and (-2) marks are awarded for every incorrect answer and 0 for questions not attempted.

(i) Anil gets 6 correct answers and 4 incorrect answers. What is his score?

(ii) Sunil gets 5 correct answers and 5 incorrect answers. What is his score?

(iii) Rahul gets 1 correct answer and 3 incorrect answers out of 4 questions he attempted. What is his score?

3. Use the sign $<$, $>$ or $=$ in the box to make the following statements true.

(i)	$(-21) + (-8)$	<input type="text"/>	$(-21) - (-8)$
(ii)	$(-16) + 7 - (-10)$	<input type="text"/>	$16 - 7 + (-10)$
(iii)	$380 - 410 + 191$	<input type="text"/>	$380 - 410 - 191$
(iv)	$50 + (-39) - 25$	<input type="text"/>	$50 + (-39) + (-25)$

4. Write a pair of positive and negative integers whose

(i) difference is 5 (ii) sum is (-7)

5. In a quiz, Rahul scored (-80), 62, 25 and Rohan scored 60, 38, (-78) in three successive rounds. Who scored more?

6. Verify the following:

(i) $28 \times [4 + (-3)] = 28 \times 4 + 28 \times (-3)$

(ii) $(-31) \times [(-8) + (-2)] = (-31) \times (-8) + (-31) \times (-2)$

7. The price of a machine depreciates at the rate of ₹ 1500 per year. If it was bought for ₹ 15800, what will be its price after 5 years?

8. A vegetable merchant gets a profit of ₹ 100 by selling a bag of onions and suffers a loss of ₹ 30 by selling a bag of potatoes.

(i) If he sells 30 bags of onions and 50 bags of potatoes on a particular day, find his total profit or loss.

(ii) Find the number of bags of onions he should sell to make no profit or loss, if he sold 40 bags of potatoes.

9. Subtract the sum of (-245), 450 and (-785) from the sum of 755 and (-540).

10. Write five integers less than $(-16 + 9 - 24)$.

11. Find the sum of $(-162 + 98)$ and additive inverse of $(85 - 159)$.

Subject: Science

GENERAL INSTRUCTIONS

1. The holiday homework is divided in two parts
 - (a) Activity based on **chapter 16- Water-A Precious Resource**
 - (b) Assignment based on **chapter 1- Nutrition in Plants**
2. The assignment should be done neatly in the Science notebook
3. Both activity and assignment are to be done individually.

(A) ACTIVITY

Water is the most essential, perishable and precious resource on earth. Unwanted and unnecessary use of water can lead to droughts and various other problems. Without water, no one can survive and no sector of the society can perform their functions well. Freshwater supply is limited and the need to save it is very important. Saving water is not only the duty of any single individual but of the whole nation.

Objectives:

- To understand the threats that we face on availability of clean water.
- To be observant of the waste of water in households, schools and public areas.
- To inculcate the idea of saving water by doing some lifestyle changes.
- To find new ways/methods of water conservation and optimal utilization of water.

Methodology

1. Students are going to conduct an activity on water conservation.
 - ◆ They will research about importance of water and its use.
 - ◆ They will find out about water pollution, its causes and consequences of non-availability of water.
 - ◆ They will research about the water related issues in home, school and city.
 - ◆ They will prepare a roadmap on how to save water in the school/home.
2. They will conduct the water audit activity for their home:
 - ◆ They will make a list of all activities in which water is used in their home on daily, weekly or monthly basis.
 - ◆ They will record their observations in the following table and calculate the total amount of water consumed by all daily activities.

Activity	Name of Activity	No. of times the activity is performed per day	Amount of water used each time the activity is performed (in litres)	Total water consumed by the activity in a day (in litres)	Total water used by each activity in a year (in litres)	Total water consumed by all daily activities in a year (in litres)
1.	Washing utensils	3	1	$3 \times 1=3$	$3 \times 365=1,095$	1,095+
2.	Drinking	5	2	$4 \times 2= 8$	$8 \times 365=2,920$	2,920+....

3.	cooking	3	3	$2 \times 3 = 6$	$6 \times 365 = 2,190$	(for all activities) = 6205 litres
4.	Bathing					
5.	Brushing teeth					
6.	Washing hands					
7.	Moping floor					
8.	Cleaning house					
9.	Watering plants					
10.	Washing fruits, vegetables, rice, pulses, making dough					
11.	Etc.					

- ◆ They will make a similar observation table to calculate the total amount of water consumed by weekly and monthly activities in a year.

For weekly activities,

Activity	Name of Activity	No. of times the activity is performed per week	Amount of water used each time the activity is performed (in litres)	Total water consumed by the activity in a week (in litres)	Total water used by each activity in a year (in litres)	Total water consumed by all weekly activities in a year (in litres) A2
1.	Washing car/bicycle	2	1	$2 \times 1 = 2$	$2 \times 52 = 104$	104+208.... (for all weekly activities)= 312 litres
2.	Washing clothes	2	2	$2 \times 2 = 4$	$4 \times 52 = 208$	
3.	Cleaning toilet					
4.	etc					

For monthly activities,

Activity	Name of Activity	No. of times the activity is	Amount of water used each time the activity is	Total water consumed by the activity in	Total water used by each activity in	Total water consumed by all monthly activities in
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		perform ed in a month	performed (in litres)	a month (in litres)	a year (in litres)	a year (in litres) A3
1.	Cleaning kitchen	2	0.5	$2 \times 0.5 = 1$	$1 \times 12 = 12$	12+24....(fo r all weekly activities)=3 6 litres
2.	Cleaning refrigerator	2	1	$2 \times 1 = 2$	$2 \times 12 = 24$	
3.	Etc.					
4.						

- ◆ If there are any activities which are performed once, twice or thrice in a year. They will find the total water consumed by those activities in a year. (**A4**)
- ◆ Now, they will add up the values of total water consumed in a year by daily, weekly and monthly activities to find out the overall water consumption by all activities in a year and record their observations. For this, they will use the formula,
Overall water consumption in a year by all activities (**A**) = **A1+A2+A3+A4** (if any)
- ◆ Also, based on their study, they will make a plan to optimize the usage of water in their home and reduce the overall consumption.
- ◆ They will record everything in a file / PPT / scrapbook including pictures (if possible) to make it more presentable and creative.

Evaluation:

- Each student will be evaluated on the basis of:
 - Active participation.
 - Honesty and Dedication.
 - Presentation.
 - Innovation.

(B) ASSIGNMENT

- Q1. A goat eats away all the leaves of a small plant (balsam). However, in a few days, new leaves could be seen sprouting in the plant again. How did the plant survive without leaves?
- Q2. Nitrogen is an essential nutrient for plant growth. But farmers who cultivate pulse crops like green gram, Bengal gram, black gram, etc. do not apply nitrogenous fertilizers during cultivation. Why?
- Q3. Wild animals like tiger, wolf, lion and leopard do not eat plants. Does this mean that they can survive without plants? Can you provide a suitable explanation?
- Q4. Fill in the blanks of the paragraph given below with the words provided in the box.
chlorophyll, energy, food, carbon dioxide, water, photosynthesis
- Note:** A word can be used more than once.

Leaves have a green pigment called _____ (a) _____ which captures _____ (b) _____ from sunlight. This _____ (c) _____ is used in the process of _____ (d) _____ and along with other raw materials like _____ (e) _____ and _____ (f) _____ synthesize _____ (g) _____.

- Q5. Potato and ginger are both underground parts that store food. Where is the food prepared in these plants?
- Q6. Pooja is worried about her new shoes which she wore on special occasions that they were spoiled by fungus during rainy season. Is she right to worry, if yes, then tell why does fungi suddenly appears during the rainy season?
- Q7. Harish went to visit his grandfather in village where he saw that his grandfather's field of wheat are infected with fungus but no one is aware of this. Harish rushed to his grandfather and told him that the field has been infected with fungi. He suggested him that he should use an antifungal agent in his fields to stop this infection.
- (a) What is fungus?
 - (b) Can fungus only cause diseases or can it be helpful also?
 - (c) What values are shown by Harish?
- Q8. Explain how water and minerals are absorbed by the roots and then transported to leaves?
- Q9. Explain the mechanism of trapping insects in Venus flytrap?
- Q10. If pitcher plant is green and carries out photosynthesis, then why does it feed on insects?

Subject: Social Science

Prepare a Power Point Presentation (PPT) with following details-

1. The total length of the PPT should not be more 10-15 slides.
2. The PPT should be original. Downloaded PPTs will not be accepted.
3. The PPT should include illustrations, pictures, animations and logical text.
4. The PPT should be developed and **presented in this order.**
 - Project's Title and Student's Information
 - Introduction
 - Specific Details
 - Summary and Conclusion

Suggested Topics (Choose Any ONE)

1. It's Time to Get Away!

Prepare a Travel Brochure on 'Land Of High Passes'-Ladakh or The Hot desert Sahara
(Hints-climate , Flora and Fauna, Customs and traditions, language spoken, lifestyle of the people, important places to visit, religion followed) (Ref Geography Chap 9)

2.The history of the Gonds was sharply different from that of the Ahoms.

Make a PPT to show the comparison between the two tribes.

(Hints- Tribals – meaning and origin/status in the Varna system, Tribal society hierarchies/living standards /occupation, Ahoms and Gonds – life of the people/ occupations/ kinhood/important rituals and traditions/location etc. Tribals today – policies and schemes of government for schedule tribes)
(Ref History Chp 7)

3'Painting is like a mirror that reflects the contemporary society'.

Through a project, showcase the style of miniature paintings that developed in the medieval period.

(Hints – Regional traditions - The Jagannatha Cult/ Rajput's heroism, Miniature paintings and Mughals, Bengal – language and traditions, Classical dances – Origin and importance, Contribution – information about renowned dancers and artists of present day taking the legacy forward)
(Ref History – Chp 9)

विषय-हिंदी

1. ए-4 साइज शीट पर मानव शरीर का चित्र लगाकर प्रत्येक अंग से संबंधित एक-एक मुहावरा लिखिए।
2. दृढ़निश्चय, आत्मविश्वास और कड़ी मेहनत के बल पर अनेक लोगों ने अपने जीवन को सँवारा है। जैसे- जमशेद जी टाटा, धीरूभाई अंबानी, घनश्यामदास बिरला, बिल गेट्स, सब्रत राय (सहारा ग्रुप) इत्यादि। ऐसे लोगों में से किसी एक की जानकारी को चित्र सहित ए-4 शीट पर लिखिए।
3. 'वर्षा जल संचयन' के प्रकारों की जानकारी को सचित्र ए-4 शीट पर लिखिए।

विषय-संस्कृत

- प्रश्न 1. किन्हीं दो श्लोकों को अर्थ सहित लिखकर कंठस्थ करें।
- प्रश्न 2. एक से पन्द्रह तक संख्यावाची शब्द कलात्मक ढंग से संस्कृत में उत्तर पुस्तिका में लिखें।

Subject:French

1. Les Nombres (0-100).(You have to write cardinal numbers)
2. Écrivez les moyens de transport.(Write the modes of transport in French and paste/draw pictures)
3. Do Leçon-1 from cahier d'exercice.

Note: Activity to be done in your French notebook. You can take the help of your book .

Subject: Computer Science

Class VII

Make a video/presentation/web page on

‘Inspirational Mythological Stories’ (Any one)

(Software to be used -any video editing software-vita/inshot /Filmora/Ms Powerpoint/HTML)