To reduce the use of paper and to Go Green school promotes the use of technology to save the environment. Homework is being provided online. Summer Vacations is a break from a fixed schedule and to play unlimited, use your imagination and creativity and make the process of learning fun. This Smart Summer holiday assignment is for your all round development and to challenge your imagination and creativity.

> Encourage the child to do the work independently.
> Provide guidance and support wherever required.
> Motivate your child to speak in English.
> To inculcate the reading habits encourage your child and motivate them to read newspapers and books.
> Entire Assignment is to be done using A4 sized Pastel Sheets and decorate it artistically.
> Print outs of Practice Worksheets to be taken separately in order to complete them.
> Holiday Assignment should be submitted to the respective teachers within the First week after school reopens.
> Holiday Assignment will be evaluated on the basis of submission and quality of your work done and 50% marks will be added to Formative Assessment:1.
Theme : Environment and Health

Human health is influenced by many nutritional, biological, chemical or psychological factors. It is quite true that environment has a direct impact on those living in it and many diseases are the outcome of man’s maladjustment to his environment. Every year, people and organizations around the world observe 5th of June as the World Environment day. The objective behind celebrating this day is to create awareness among people to take positive actions for the protection of environment.

What you buy during your weekly trip to the grocery store has a major impact on what you and your family eat throughout the week and how is it effecting the Environment. The grocery store is filled with hundreds options, which can make shopping a daunting task. Explore the Grocery store and join your parents in a weekly grocery shop visit and try to complete the given task.

Science In order to safeguard the interest of the consumer, The Food Safety and Standards (Packaging and Labeling) Regulations, 2011, provides that every packaged food article has to be labeled and it shall provide the following information –

1. The name of Food
2. List of Ingredients,
3. Nutritional Information,
4. Declaration regarding Veg or non-veg,
5. Declaration regarding Food Additives,
6. Name and complete address of the manufacturer or packer
7. Net Quantity,
8. Code No./Lot No./Batch No.,
9. Date of manufacture or packing,
10. Best Before and Use By Date,
11. Country of Origin for imported food and
12. Instructions for use

Activity 1: Create a list of 5 food items purchased by your family and read the packet or cover of all the 5 items and create a detail keeping in mind the above given headings.

Activity 2: Attempt any one of the Activity A or Activity B

A. 1. Make a model of digestive system (Roll No. 1 -8)
   2. Make a working model of the lungs (Roll No. 9-13)
   3. To make an electromagnet (Roll No. 14-20)

   OR

B. 1. The wool industry in India-The kind of sheep that are reared problems faced. (Roll No. 1 -8)
   2. The silk industry in India- The varieties of silk worms that are reared ms faced. (Roll No. 9-13)
   3. Ahimsa silk- silk obtained after the insect has emerged out, without killing it. (Roll No. 14-20)
**Science with Craft Activity 3**: Arvind Gupta is an Indian toy inventor and popularize of science. He developed his idea of creating simple toys and educational experiments using locally available materials as well as items usually thrown as trash.

To understand and respect his work for the society. Create a toy from Trash of your choice there are many ideas available for you on the link given below. You can also watch the videos of these creations on this website. (http://www.arvindguptatoys.com/, http://www.arvindguptatoys.com/toys.html)

**Social Science : Activity 4**: The Grocery we purchase is useful for our health but is it unhealthy for our environment and our surrounding. Collect 15 News from the News Paper in relation to Environment Degradation or environmentalist activities.

Use given categories and example of news from the newspaper cutting and add your own write-up or article or news report. Don’t present more than two news on one A4 sheet

Air pollution (Roll No 1 – 10)

Water Pollution (Roll No 11 – 20)

Land Pollution (Roll No 21 onwards)

**Activity 5**: Make a project on Medieval history of India.

- Include special features like: Time Period, Different Rulers, Administration, Art & Literature, Paintings, Inscriptions, Invasions etc.
- Draw or paste the related pictures.
- Project must be in a sequence as: Cover Page, Index, Acknowledgement, Important features of the project, Bibliography.
- Present your work neatly & show your creativeness.

**English Reading** Your holiday homework this year is a fun mix of all the aspects of the language. It has been designed to ensure that you enjoy and learn at the same time.

**Activity 6** Read the famous book ‘Room on the Roof’ by Ruskin Bond.

- Write a short summary of the story (85 words) and name the main characters.
- Choose 10 interesting adjectives and 10 adverbs from the book and find their meanings.
- Find one synonym and antonym for all the 20 words. Make interesting sentences using any 10 words.
- Represent the Sequence of the story in a form of Flow Chart.
- Present your work creatively. Remember, you will have an FA based on the story and the Incidents, so ensure that you read the entire text.
- Make a book cover for the book. (The name of the book, author, illustrator and an illustration.)
A. The present perfect tense is generally used to represent an action which has been completed within a period of time that extends up to and includes the present. The present perfect tense cannot be used with a point of time in the past. However, time adverbs that refer to a period of time extending up to the present may be mentioned.

Complete the following sentences using appropriate time adverbs.

1. Have you seen him ---------------------------- (this morning / in this morning)?
2. Have you seen him ----------------------------- (today / yesterday)?
3. I have never seen him ------------------------ (ago / before)
4. We have endured this ------------------------ (since / for ) three years now.
5. James has not ------------------------ (yet / just) returned the money he borrowed from me.
6. I have -------------------------- completed my thesis on astrophysics. (just / yet )
7. They have ------------------------ paid the dues from 1965 onwards. (already / yet)
8. I have been there -------------------------- (this morning / yesterday morning).
9. We have lived here -------------------------- twelve years now. (for / since)
10. He hasn’t come -------------------------- (yet / already)

B. Present continuous tense Use is when the subject is a singular noun (e.g. James, the boy, a cat) or pronoun (he, she and it).

Use are when the subject is a plural noun (e.g. the boys, children, books) or pronoun (you, we and they)

Use am when the subject is I.

Write sentences in the present continuous tense using the words given in each question.

1. Alan / sing / a song.
2. Alice / go / to school.
4. Peter / play / the piano.
5. James / learn / his lessons.
6. The kettle / boil.
7. I / read / a story.
8. We / wait / for the bus.
9. Who / stand / at the gate?
10. The kids / watch / television.

**C. The present perfect tense** is made with **has / have + past participle** form of the verb.

Use **has** when the subject is a singular noun (e.g. Jane, Mathews, a girl etc) or pronoun (he, she and it)

Use **have** when the subject is a plural noun (e.g. boys, girls, children etc.) or pronoun (you, they and we.)

The first person pronoun **I** also take **have**.

1. Alice / write / a poem.
2. I / finish / the work.
3. He / go / to / the market.
4. The police / arrest / the culprit.
5. Jane / complete / the assignment.
6. Teacher / ask / the boys / to / hand in / their work.
7. Our team / win / the championship.
8. They / accept / our invitation.
9. Alan / agreed / to come.
Entertainment: **Activity 7** Watch a movie as allotted according to the Roll-No:

1. **Kung Fu Panda** (Roll-No 1-10)
2. **Home Alone - part 1/2/3** (Roll-No 11-20)
3. **Stanley Ka Dabba** (Roll-No 21 onwards)

**BEFORE WATCHING FILM**
1. What is the name of the film?
2. When was the film made?
3. Who are the main actors? What films have they been in before?
4. What does the title suggest to you?

**WHILE WATCHING THE FILM**
Type of film: ___ documentary ___ fictional ___ cartoon ___ narrated ___ contemporary ___ other

**AFTER WATCHING THE FILM** Attempt any 7 Questions:

Q1. Did you learn anything from this movie? If you did, what was it?
Q2. What did you like best event of the movie? Why?
Q3. What did you like least about the film? Why?
Q4. Did any of the characters in this movie make you angry? Tell us why.
Q5. What comment is the author trying to make about the culture of the characters in this story?
Q6. What was the strongest emotion that you felt when watching the film?
Q7. Did anything that happened in this movie remind you of something that has occurred in your own life or that you have seen occur to others?
Q8. If you had a chance to ask a character in this movie a question, what would it be?
Q9. Would you recommend this movie to a friend? Explain your reasons.
Q10. If you had a chance to ask a character in this movie a question, what would it be?
Mathematics- **Activity 8:** Study, Understand, and Relate math’s with Grocery Shopping

i) Study the Bill you receive for the purchase. Calculate the total of you pay and the discounts you received.

ii) Calculate the amount you spent for different categories of grocery as given below and show the money spent on different categories on a graph paper.

- **Beverages** – coffee/tea, juice, soda
- **Bread/Bakery** – sandwich loaves, dinner rolls, tortillas, breads, biscuits
- **Canned/Jarred Goods** – vegetables, spaghetti sauce, ketchup, jam
- **Dairy** – cheeses, eggs, milk, yogurt, butter
- **Dry/Baking Goods** – cereals, flour, sugar, pasta, mixes
- **Frozen Foods** – waffles, vegetables, individual meals, ice cream
- **Meat** – lunch meat, poultry, beef, pork
- **Produce** – fruits, vegetables
- **Cleaners** – all-purpose, laundry detergent, dishwashing liquid/detergent
- **Paper Goods** – paper towels, toilet paper, aluminum foil, sandwich bags
- **Personal Care** – shampoo, soap, hand soap, shaving cream
- **Other** – baby items, pet items, batteries, greeting cards

**Mathematics do any 3 practice worksheet:-**

**Worksheet -1 (print )**

Q1. 

In the figure p II q

(i) \( \angle a + \angle b = \) ...................................... 

(ii) \( \angle f = \) .................................................. 

(iii) \( \angle a = \angle e = \) ..............................................,(---------------angles) 

(iv) \( \angle b = \) ..................................................,(Vertically apposite angles) 

(v) \( \angle d + \angle e = 180^\circ \) ......................................-angles 

Q2. In the figure if AB II CD then

\( \angle ACD = \) .............
Q4. A boy threw a stone 12m high in the air which fell and settled down at the bottom of a pond 12m deep. By how much total distance did the stone fall to reach the bottom of the pond.

Q5. Tanya entered the lift on the 20th floor and got out of the lift on the 7th floor. How many floors did she travel downwards.

Q6. The temperature in a freezer is -10°C. To defrost it, the temperature was allowed to rise to 14°C. What will be the temperature after this rise.

Q7. Find the perimeter of a rectangle of length 45 ½ m and breadth 16 ¾ m.

Q8. The weight of 16 boxes is 12 ¾ kg. Find the weight of one box.

Q9. In a school, 3/5 of the students are girls. If the number of boys in the school is 200, find the total number of students in the school.

(Question) Worksheet-2 (print)

Q1. Reeta walks 5/7 km in 1 hour. How far does she go in 3 ½ hours.

Q2. Sarita has Rs 52. She wants to buy chocolates with the money. If the price of one chocolate is Rs 5 1/5, how many chocolates can she buy.

Q3. Find the mean of first five prime numbers.

Q4. A dice was thrown 10 times and the following outcomes were recorded:

   5, 1, 2, 5, 4, 3, 5, 6, 1, 6

Prepare a frequency table and find mean and mode.

Q5. Draw a Pictograph of students of a school in different classes.

<table>
<thead>
<tr>
<th>Classes</th>
<th>VI</th>
<th>VII</th>
<th>VIII</th>
<th>IX</th>
<th>X</th>
<th>XI</th>
<th>XII</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of students:</td>
<td>200</td>
<td>125</td>
<td>150</td>
<td>250</td>
<td>300</td>
<td>150</td>
<td>175</td>
</tr>
</tbody>
</table>

Q6. The performance of a student in half-yearly examination is given below. Draw a bar graph by choosing appropriate scale.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hindi</th>
<th>English</th>
<th>Maths</th>
<th>Science</th>
<th>Social science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marks</td>
<td>72</td>
<td>80</td>
<td>95</td>
<td>81</td>
<td>75</td>
</tr>
</tbody>
</table>

Q7. Find the value of x, if the mean of the following data is 9:

12, 5, 3, 18, 10, 17, x, 6, 6. Also find the range of the data.
Q8. A certain freezing process requires that room temperature be lowered from 40 degree at the rate of 5 degree every hour. What will be the room temperature 10 hours after the process begins.

Q9. A cement company earns a profit of Rs 11 per bag of white cement sold and a loss of Rs 6 per bag of grey cement sold.

(i) The company sells 4,000 bags of white cement and 8,000 bags of grey cement in a month. What is its profit or loss.

(ii) What is number of white cement bags it must sell to have neither profit nor loss, if the number of grey bags sold is 1,100 bags.

(Worksheet-3) (print)

A. State true (T) or false (F) for each of the following statements.

1. Every integer is a whole number.
2. -7 is smaller than -8.
3. Additive inverse of -10 is 10.
4. When we add a negative integer to a positive integer, we always get a positive integer.
5. a-(-b) equal a+b
6. 0 is the positive integer.
7. -1 is the greatest negative integer.
8. Product of two negative integers is also.
9. a is the additive inverse of -a
10. For any integer a, 1 divide a equal 1
11. Half of half is one fourth

B. Simplify

1. 639-(-436)+(-839)
2. 69-(34-(85+(16+17)))

C. Subtract the sum of 873 and -3000 from the sum of -904 and 7093.

D. The sum of two integers is 310. If one of the integer is -80, find the other integer.

E. Find (-25)*(-32) using distributive property.

F. What will be the sum of (-2035) and 285?
G. What will be the sum of \((-1006)\) and \((-934)\)?

H. Subtract \((-56)\) from 144.

1. Subtract the sum of \(-1878\) and 878 from 2000.
2. Subtract \(-134\) from the sum of 37 and \(-87\).
3. Simplify: \([-13 - (-27)] + [-25 - (-40)]\)
4. The sum of two integers is \((-16)\). If one of them is 53, find the other.
5. The sum of two integers is 65. If one of them is \(-35\), find the other.
6. Multiply \((-36)\) by \((-50)\).
7. Find the product of \((-25)\) and \((14)\).
8. What will be the product of \((-53)\) and \((18)\).
9. Find the product: \((-2) \times 36 \times (-5)\).
10. Find the product of \(2 \times (-27) \times 15\).
11. Multiply: \((-2) \times (-4) \times (-5) \times (-8)\)
12. Which integer if multiplied by \((-1)\) will be 432
13. Find the sum of \((8 + 9) \times 10\) and \(8 + 9 \times 10\).
14. Find the value of \(1569 \times 887 - 569 \times 887\).
15. Find the value of \(625 \times (-2) + (-625) \times 98\).
16. Divide \((-98)\) by \((-14)\)
17. Divide 324 by \((-27)\).
18. What will be the quotient if \((-15625)\) is divided by \((-125)\)
19. Simplify: \(|-17| + |17|\)
20. Simplify: \((-20) + (-8)\)
21. Evaluate: \((-1) \times (-2) \times (-3) \times (-4) \times (-5)\).
1. Fraction form of 20% is
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2. 40% of Rs. 200 is
-------------------------------------.

3. Determine the integer whose product with (-7) is 154.

4. Sonu sold a cycle for Rs 1700 and lost 15% on it. Find the cost price of the cycle?

5. 1, 4, 9, 16,----------------,

6. 2, 5, 17, 26,-----------------,

7. The diameter of car wheel is 49 cm. How many revolutions will it take to cover a distance of 3080 cm.

8. A path 5 m wide runs outside a rectangular garden which is 110 m long and 90 m board. Find the area of the path.

9. A diver dives in the sea 270 m down. If the speed of diver is 3m/sec. How long will he take?

10. A man drives his car at the speed of 40 km/hr. How long will it take to cover 160 km?

PROJECT WORK

Collect the information regarding different types of fabrics (Any five) worn by any fifty people of your locality.

Using an appropriate key draw a pictograph and answer the following questions:

1.) Which is the most popular fabric?

2.) Which is the least popular fabric?

3.) What is the difference between above two groups?
**Drawing: Activity 9:** Make a poster according to the allotted Roll No on the following topics:

- a) Donate blood (Roll- N0 : 1 – 10)
- b) Keep the Earth green (Roll- N0 : 11 – 20)
- c) Save water (Roll- N0 : 21 – 30)
- d) Reduce Reuse and Recycle (Roll- N0 : 31 onwards)

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**कक्षा — सातवीं**

1. प्रेम, दोस्ती और दुलार के बल पर बचपन गुलजार है इनमें से किसी एक भाव पर आधारित कोई एक कविता या स्वरंचित रचना का संकलन स्क्रेप बुक में लिखिए।

2. क्या आपने कभी विचार किया है कि अपनी माँ आपको निःशर्म प्रेम करती है और आपको देखभाल के लिए अनेक कार्य करती है । कुछ ऐसी चीजें की सूची बनाओ जिन्हें आपकी माँ आपके लिए करती है , और जिनके लिए आप उनके कृतज्ञ है । स्क्रेप बुक पर माँ का चित्र चिपकाकर कार्य को पूर्ण किजिए । आप अपने माँ के लिए क्या कर सकते हो ।