L.R.S. ACADEMY

A Senior Secondary English Medium School, Nagina (Bijnor)
(Affiliated to C.B.S.E. New Delhi)

SUMMER HOLIDAY HOMEWORK

CLASS VIII

Laying the foundation of excellence

Principal's message

Dear Students,

Summer vacation is a much-awaited time for rest, reflection, and rejuvenation. It offers a wonderful opportunity to relax, explore your interests, and spend quality time with your loved ones.

However, this break also gives you the chance to continue learning beyond the classroom. Read good books, try something creative, and take up activities that help you grow as a person. The holiday homework given to you is designed not just to revise your lessons, but also to encourage independent thinking and creativity.

Make sure to balance fun with responsibility. Stay safe, take care of your health, and use your time wisely. We look forward to seeing you refreshed and recharged after the holidays.

Wishing you a joyful and productive summer break!

Warm regards,

Noopur Chandra

Principal
LRS Academy, Nagina

Instructions to do holiday homework -:

1. Do holiday homework in a separate notebook.
2. While doing Homework, maintain each subject's work separately.
3. Take care of your handwriting.
4. Cover the notebook properly & label it.
5. school will reopen on 01/07/2025 & Holiday homework will be summited at the same date.
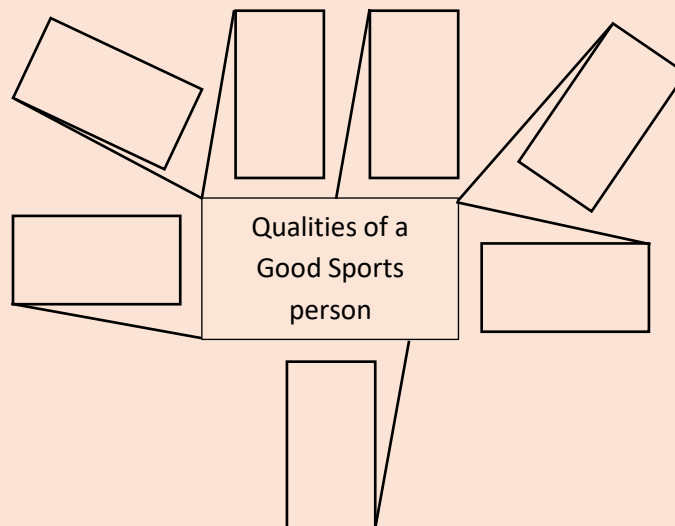6. Holiday homework marks will be added in the next exam.

ENGLISH

1. **Write a quality word from each alphabet of English, write their meaning to frame meaningful sentences.**
2. **Write a paragraph of about 100-120 words about what the young generation can do to make the old member of family feel loved and wanted.**
3. **Punctuate the passage and insert capital letters wherever necessary.**
   Page – 38, English StellaR Book
4. **List a few qualities that you think a good sportsman Should possess.**

Qualities of a Good Sports person

Explain about each quality in about two lines.

हिन्दी

1. विद्यालय में आयोजित पुस्तक मेले के प्रचार-प्रसार के लिए एक विज्ञापन और ग्रीष्म कालीन शिविर विज्ञापन लगभग 40 शब्दों में तैयार कीजिए।

2. स्वतंत्रता - संग्राम से संबंधित कोई भी एक कविता लिखिए। कविता से संबंधित चित्र चिपकाते हुए उसमे आए तत्सम तथा तद्भव शब्दों को अलग-अलग करके लिखिए।

3. प्रकरण 4 से 7 तक के कठिन शब्दों को सुंदर-सुंदर लिखिए प्रत्येक प्रकरण से 15 शब्द होने चाहिए एवं प्रत्येक शब्द से वाक्य बनाइए।

4. अगर आप पर्यावरण संरक्षण अभियान का हिस्सा होते, तो लोगों को जागरूक करने के लिए कौन से तीन अनोखे और रचनात्मक तरीके अपनाते?

L. R. S. ACADEMY, NAGINA
HOLIDAY HOME WORK- 2025-26
Class –VIII

SOCIAL SCIENCE

Subjective Questions

1. Draw a neat, clean and colorful preamble of Indian Constitution on an A4 Paper.
2. Collect information from various sources and prepare a report on wild life sanctuaries in India. Also list all the endangered animals that are protected there.
3. On the political map of world mark:
   (a) 7 Continents
   (b) 5 Oceans
4. World Environment Day 2025 will be celebrated on June 5, 2025, focusing on the "Combating Plastic Pollution."
   Make a poster on an A3 sheet the same theme by following the given points:
   (a) The poster should be usually attractive
   (b) It should contain a catchy title
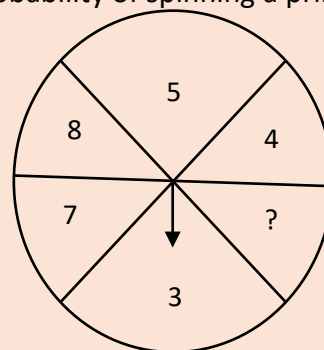   (c) It should contain a sketch or simple visuals to make it look attractive.

MATHEMATICS

1. Attempt all questions in a separate Notebook.

I. Find Four rational numbers between $-\frac{3}{5}$ and $\frac{3}{4}$.

II. Simplify $\dfrac{\left\{\frac{2}{3}\times\left(\frac{-5}{4}\right)\right\}+\left\{\left(\frac{-10}{3}\right)\times\frac{5}{2}\right\}-\left\{\left(\frac{-16}{3}\right)\times\left(\frac{-55}{32}\right)\right\}}{\frac{3}{2}\times\left\{\left(\frac{-9}{14}\right)\times\left(-\frac{1}{7}\right)\right\}}$

III. You are creating a board game. You want to cut square game pieces that measures $4\frac{1}{2}\,cm$ on each side from a piece of paper that measures $21\frac{1}{2}\,cm$ by 24 cm. How many game pieces can you cut from the paper? How many square centimeters are left over?

IV. Simplify: $\dfrac{3^{-4}\times6^{-3}\times25}{10^{-2}\times16\times3^{-6}}$

V. If $x=\left[\left(\frac{2}{3}\right)^2\right]^3\times\left(\frac{1}{3}\right)^{-2}\times3^{-1}\times\frac{1}{6}$, find the reciprocal of x

VI. If $\left(\frac{3}{8}\right)^{-5}\times\left(\frac{16}{21}\right)^{-5}=\left(\frac{2}{7}\right)^x$, find x^3.

VII. If $3^x-3^{x-1}=54$, find the value of x.

VIII. What is the Probability that you randomly choose a marble that is not red from a bag of 3 black, 8 yellow, 2 red and 5 white marbles?

IX. The Probability of spinning an even number is $\frac{1}{2}$. The Probability of spinning a prime number is $\frac{4}{6}$. What is the missing number on the spinner?

X. Six cards with numbers $10, 9, 8, 7, 6$ and 5 are randomly placed face down on a table. Ankita removed two cards 8 and 10. Find the Probability that the next one turned up is 9.

2. Activity Based Question. (Page No. 32)

Fitness Trail

Given below is the picture of a fitness trail nestled in the beautiful forest area of the Rajaji National Park. It is broken into five segments as shown in the picture. You run the first segment of the trail and walk the next. You continue to alternate between running and walking until you finish the trail.

Answer the following questions.

1. What is the length of the entire fitness trail?
   (a) $6\frac{1}{4}$ km   (b) $6\frac{1}{3}$ km   (c) $5\frac{3}{4}$ km   (d) $6\frac{1}{2}$ km

2. What fraction of the fitness trail do you run?
   (a) $\frac{1}{4}$ (b) $\frac{8}{13}$ (c) $\frac{2}{3}$ (d) $\frac{2}{5}$

3. The total length of the running trail is calculated as:
   $1\frac{1}{2}+\left(\frac{4}{3}+1\frac{1}{6}\right)$ km   or $\left(1\frac{1}{2}+\frac{4}{3}\right)+1\frac{1}{6}$ km
   Both the sums are _____.
   Which property of rational numbers is shown by these sums?
   (a) Commutativity of addition
   (b) Associativity of addition
   (c) Distributivity of multiplication over addition
   (d) Closure property of addition

4. If each of the first three segments of the trail are increased $\frac{5}{3}$ times, what will be the total length of first three segments. Which property of rational numbers do you use to calculate the total length?

5. If you run at a constant rate of 8 km per hour and walk at a constant speed rate of 4 km per hour. Can you complete the fitness trail in less than an hour? Explain your reasoning.

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SCIENCE

Subjective type

1. **Write the name and symbol of first 40 elements along with their atomic numbers. Also classify them in metals and non-metals.**

2. **Draw the following diagrams –**
   - I.   A Plant cell
   - II. An animal cell
   - III. Spring balance
   - IV. Male reproductive system
   - V.   Female reproductive system

      Explain each diagram in your own words.

3. **Project/Model:**

   Search out and find about the spaces found in India's hotspot. Also list the plants and animals that may be listed in the Red Data Book.

ART & CRAFT

1. Make a beautiful clay painting of "Peacock" by using bright colours, with the help of video.
    ➢ Take the base of MDF.
    ➢ The size of the base should be $20 inch \times 10\ inch.$

The tans will fade but the memories will last forever. Happy Summer Holidays