



مدارس دارة السلام العالمية- الرياض
Daratassalam International,
Delhi Public School –Riyadh
Summer Holiday Homework (2026-27)
Grade: VIII (CBSE)



MATHEMATICS

Instructions:

- To be done in the A-4 sheet paper.
- All questions are compulsory.

Rational Numbers

1. Give one example each to show that the rational numbers are closed under addition, subtraction and multiplication.
2. Are rational numbers closed under division? Give two examples in support of your answer.
3. Verify the property $x + y = y + x$ of rational numbers by taking $x = \frac{-3}{7}$, $y = \frac{20}{21}$.
4. From a rope 40 meters long, pieces of equal size are cut. If the length of one piece is $\frac{10}{3}$ metre, find the number of such pieces.
5. Find the product of additive inverse and multiplicative inverse of $\frac{1}{3}$.

Exponents

1. Find the value of $[4^{-1} + 3^{-1} + 6^{-2}]^{-1}$.
2. If $36=6 \times 6 = 6^2$, then how we can express $\frac{1}{36}$ as a power with base 6.
3. Write the usual form of 2.39461×10^6 .
4. Find the value of $[2^{-1} + 3^{-1} + 4^{-1}]^0$.
5. Evaluate $(\frac{3}{4})^5 \div (\frac{5}{3})^5$.

Square and Square Roots

1. Find the smallest square number divisible by each one of the numbers 8, and 10.
2. Find three numbers in the ratio 2:3:5, the sum of whose square is 608.
3. A 5.5m long ladder is leaned against a wall. The ladder reaches the wall to a height of 4.4m. Find the distance

	<p>between the wall and the foot of the ladder.</p> <ol style="list-style-type: none"> Find the area of a square field if its perimeter is 96m. Find the decimal fraction which when multiplied by itself gives 84.64.
<p>Cubes and Cube Roots</p>	<ol style="list-style-type: none"> Is 9720 a perfect cube? If not, find the smallest number by which it should be divided to get a perfect cube. If one side of a cube is 15m in length, find its volume. Three numbers are in the ratio 1:2:3 and the sum of their cubes is 4500. Find the numbers. Difference of two perfect cube is 18. If the cube root of the smaller of the two number is 3, find the cube root of the larger number. Evaluate $\sqrt[3]{27} + \sqrt[3]{0.008} + \sqrt[3]{0.064}$.
<p>Algebraic Expressions and Identities</p>	<ol style="list-style-type: none"> Find the value of $(a + b)^2 - (a - b)^2$. Divide $(4p^2 - 16)$ by $(p - 2)$. Find the product of $6a^2 - 7b + 5ab$ and $2ab$. Find the sum of $a - b + ab$, $b + c - bc$ and $c - a - ac$. Find: $(9x - 7xy)^2$.
<p>Art Integration: Tessellation Tiles</p>	<p>Design colorful tessellations inspired by M.C. Escher.</p> <p>Objective: Create a repeating, interlocking geometric patterns.</p> <p>Activity: Design colorful tessellation tiles using symmetric shapes.</p> <p>Materials: Foam sheet, tracing paper, graph paper.</p>

ENGLISH

1. **Travelogue Project**

Document a memorable journey that you have taken with your family or friends.

Write a detailed travelogue about a place you have visited. Your travelogue should include

1. Introduction to the destination.
2. Description of the journey and mode of travel.
3. Major attractions and experiences.
4. Local culture, food, and traditions observed.
5. Personal reflections and memorable moments.
6. Photographs, sketches, tickets, maps, or souvenirs (if available).

The travelogue must:

- Include a cover page, acknowledgement, and table of contents.
- Be handwritten or neatly printed.
- Be creatively presented with pictures and decorative elements.

Ensure that the **final product reflects your observations, experiences, and learning from the trip.**

2. **Fashion Brand Brochure Project**

Explore a popular fashion and lifestyle retail brand and create an attractive promotional brochure.

Choose a brand such as:

- Max Fashion
- Centrepoint
- Splash
- REDTAG
- Lulu Fashion Store

Your brochure should include:

- Introduction to the brand.

- History and origin of the brand.
- Types of products offered (fashion, footwear, accessories, etc.).
- Popular collections and best-selling items.
- Target customers.
- Presence in Saudi Arabia and other countries.
- Special offers, loyalty programs, or unique features.
- Reasons why customers enjoy shopping at the brand.

The brochure must:

- Be designed as a **tri-fold brochure**.
- Include pictures, logos, advertisements, and fashion illustrations.
- Be colorful, creative, and visually appealing.
- Contain original descriptions written in your own words.
- Resemble a real marketing brochure.

Ensure that the **final product effectively promotes the chosen brand and highlights its contribution to the fashion and retail industry.**

3. **Fairy Tale Comic Strip Project**

Reimagine and retell your favorite fairy tale through an engaging comic strip.

Select a fairy tale such as *Beauty and the Beast*, *The Little Mermaid*, *Snow White*, *Rapunzel*, *Cinderella*, or any other classic tale. Retell the story with a fresh and creative perspective.

Your comic strip should include:

1. A clear storyline divided into panels.
2. Well-developed dialogue and narration.
3. Creative illustrations and expressive characters.
4. Modern themes, humor, adventure, mystery, or alternate endings.
5. A meaningful message or lesson.

The comic strip must:

- Consist of 7-8 panels.
- Be neatly drawn and colored.
- Include a title page and character introduction.
- Demonstrate originality and creativity.

Ensure that the **final product is engaging, age-appropriate, and reflects thoughtful storytelling** rather than a simple children's retelling of the fairy tale.

4. **Assigned Reading**

“Harry Potter and the Prisoner of Azkaban” by J. K. Rowling
“I Am Malala” by Malala Yousafzai

Read the book and write a short book review including:

1. Title and author.
2. Brief summary of the story (without revealing major spoilers).
3. Description of your favorite character and why you like them.
4. What you liked and disliked about the book.
5. The most exciting or memorable part of the story.
6. Your overall rating and recommendation.

The **review should be approximately 200-300 words and written in your own words.**

SOCIAL SCIENCE (HISTORY)

TOPIC: BRITISH LORDS WHO RULED INDIA (SCRAPBOOK)

Objectives:

- The overall objective of the project work is to help students gain an insight and practical understanding of the British administration in India and its impact on Indian society, economy, and governance. It should also help in enhancing the Life Skills of the students.
- Students are expected to apply the Social Science concepts that they have learnt over the years to prepare the project report.
- If required, students may use different primary and secondary resources such as books, newspapers, magazines, and websites to prepare the project. Various forms of art may be integrated into the project work. Keep the following pointers in your mind.

Topics to be Covered Under the Project:

- Make a scrapbook on well-known British Lords who ruled over India.
- Collect pictures and information about the following British Governors-General and Viceroys.

INSTRUCTIONS AND GUIDELINES ON HOW TO WRITE THE PROJECT:

- Introduction - Briefly explain British rule in India and the importance of studying the British Lords who governed the country.
- The scrap book should be hand written and supported with pictures.
- The scrap book should be informative with neat & clear images of the British Lords.
- The scrapbook should be exceptionally attractive in terms of design, layout and neatness.
- There should be no grammatical/mechanical mistakes in the scrapbook
- Mention the books, articles, and websites referred to while preparing the project. When mentioning websites, provide the complete web address (URL).
- All photographs and sketches should be properly labelled and related to the topic.
- Conclusion - Summarize what you have learnt about the British administration in India and its impact on Indian history.

NOTE: Kindly adhere to the submission date i.e. 06/09/2026

SCIENCE

Physics

Choose any one activity and complete it on A4 sheet or in a project file.

Activity 1: Electroscope

Make a simple electroscope using easily available materials and write:

Materials used.

Construction method.

Principle of working.

Uses of the electroscope.

Activity 2: Thunderstorm Safety Poster

Prepare a poster on "Safety During Thunderstorm and Earthquake" with:

At least 5 safety points.

One neat diagram.

A short slogan.

Chemistry

Poster Making Activity

Topic: *The PCRA Campaign – Save Fuel, Save Future*

Design a colourful hand-drawn poster based on the guidelines of the **Petroleum Conservation Research Association (PCRA)**. Your poster should create awareness about conserving petrol and diesel and include practical tips for saving fuel while **driving vehicles** or **cooking at home**.

Instructions:

Include at least **5 fuel-saving tips**.

Add a **catchy slogan** and relevant illustrations.

Use A4/chart paper.

Make the poster neat, creative, and informative.

Example Slogan: *“Save Fuel Today, Secure Tomorrow!”*

Biology

Topic: Microorganisms – Friends and Foes

Prepare a project on microorganisms by categorizing them into the following groups:

* Bacteria

* Fungi

* Protozoa

* Algae

* Viruses

For each group, include:

1. Two examples.
2. Their commercial and/or medicinal uses.
3. Diseases caused by them (if any).
4. One relevant picture or labelled diagram.

Present the information in a tabular form and conclude the project by highlighting the importance of microorganisms in human life.

HINDI

1- चित्रकथा निर्माण (कॉमिक स्ट्रिप):

'क्या निराश हुआ जाए' पाठ के कथानक को ४ से ६ खानों (चित्रों) की एक सुंदर चित्रकथा (संवादों सहित) के रूप में कला पत्रक (ड्राइंग शीट) पर चित्रित कीजिए।

2- सूर्यकांत त्रिपाठी 'निराला' के जीवन, साहित्यिक कृतियों, समाज सेवा, असहाय, निर्बल, दरिद्र लोगों के प्रति सेवा-भावना आदि के विषय में पर्याप्त जानकारी एकत्र करके उसे सचित्र अपनी परियोजना पुस्तिका में लिखिए।

URDU

2- "میری زندگی کاخوش گوار واقعہ" کے عنوان پر 250 الفاظ کا مضمون لکھیں۔

3. درخت لگاؤ ماحول بچاؤ پر تصاویر کے ساتھ چارٹ بنائیے۔

20 نئے الفاظ مع معنی یاد کریں اور جملوں میں استعمال کریں۔

نوٹ: تمام کام صاف ستھری لکھائی میں مکمل کریں اور فائل یا کاپی میں ترتیب کے ساتھ جمع کروائیں۔

ARABIC

1. اکتب موضوعاً (100 كلمة) عن "التكنولوجيا في حياتنا".

2. اکتب رسالة رسمية إلى مدير المدرسة تطلب فيها المشاركة في نشاط مدرسي.

3. استخراج من درس تختاره:

○ 5 أفعال ماضية

○ 5 أفعال مضارعة

○ 5 أسماء

TELUGU

భారతదేశం చిత్రాన్ని గీయండి (Page no -14 Make a chart)

MALYALAM

1. അവധിക്കാല ഡയറി

* അവധിക്കാലത്ത് ചെയ്ത പ്രധാന കാര്യങ്ങൾ ദിവസേന അല്ലെങ്കിൽ ആഴ്ചതോറും എഴുതുക.

* ചിത്രങ്ങളോ ഫോട്ടോകളോ ചേർക്കാം.

1. എന്റെ നാട്

* നിങ്ങളുടെ ഗ്രാമം/നഗരം സംബന്ധിച്ച വിവരങ്ങൾ ശേഖരിക്കുക.

* പ്രധാന സ്ഥലങ്ങൾ, പ്രത്യേകതകൾ, ചരിത്രം എന്നിവ രേഖപ്പെടുത്തുക.

1. സൃഷ്ടിപരമായ എഴുത്ത്

താഴെ പറയുന്ന വിഷയങ്ങളിൽ ഏതെങ്കിലും ഒന്നിൽ എഴുതുക:

* “എന്റെ സ്വപ്ന യാത്ര”

* “പ്രകൃതിയെ രക്ഷിക്കാം”

* “എനിക്ക് ഏറ്റവും ഇഷ്ടപ്പെട്ട ദിവസം”

TAMIL

1. தமிழர் மருத்துவம் பற்றி எழுதி வரவும்

2. திருக்குறள் மனப்பாடம் எழுதி வரவ

FRENCH

I- Grammaire

Formez des adverbes de ces adjectifs:

Lent heureux

Régulier doux.....

Triste Vrai

Poli

Absolu

B- Mettez ces conjonctions dans des phrases:

-Parceque :.....

- Et :

-Mais:

-Quand:.....

-Puis:

- Ou:

-Donc:.....

C- Donnez le contraire de:

Après ≠ prêter ≠.....

Peu de ≠..... accrocher ≠

D-Complétez avec les articles défini ou indéfini.

a. veste de Robert est veste noire.

b. manteau de Monique est Manteau gris.

c.cartable de Pierre apoches noires.

d.hiver est saison de niège.

E. Conjuguez les verbes suivants au présent.

a. Ce soir, vous (manger) au restaurant.

b. Tu..... (offrir) un cadeau pour ta mère.

c. L'avion (arriver) dans dix minutes.

F. Complétez avec (connaître/savoir).

- a. Alijouer au football.
- b. Elles.....bien les jardins de Paris.
- c. Il.....le numéro de téléphone de son père.
- d. Nous.....préparer la galette.

G. Reliez les phrases suivante.

- a. Je vais chez mon ami ; nous allons jouer ensemble.

.....

- b. Voulez-vous un sandwich ; une pizza ?

.....

- c. Il va au cinéma ; il va voir un film.

.....

- d. Elles vont jouer ; elles finissent leur examen.

.....

H. Placez et accordez les adjectifs suivants.

- a. C`est une voiture. (**nouveau, noir**)

.....

- b. Voilà une maison. (**autre, blanche**).

.....

- c. Voilà des escargots. (**petit, marron**)

.....

- d. Voilà des élèves. (**grand, fort**).

.....

II- Civilisation:

a-Que savez-vous de :

Paris:

.....
.....

L'emblème nationale:

.....
.....

L'hymne nationale:

.....
.....

Le Coq:

.....
.....

combien de gare y-a-t-il en France.

.....
.....

Donnez les moyens de transports en France.

.....
.....

III- expression écrite :

A. Racontez ta journée typique. (dix lignes)

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B. Décrivez votre salle de classe en quelques lignes.

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C -Préparez votre fiche d'identité.

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