



مدارس دار السلام العالمية- الرياض
**Daratassalam International,
Delhi Public School – Riyadh**
Summer Holiday Homework (2025)
Grade: VIII



MATHEMATICS

1. Simplify : $3 + \frac{1}{2} - 6\frac{1}{4}$.
2. Using appropriate properties find : $\frac{2}{5} \times \left(-\frac{3}{7}\right) - \frac{1}{6} \times \frac{3}{2} + \frac{1}{14} \times \frac{2}{5}$.
3. 7 times the reciprocal of a number added to $\frac{2}{3}$ is 3, find the number.
4. Find the product of additive inverse and multiplicative inverse of $-\frac{1}{3}$.
5. Find the square root of 11 correct to three decimal places.
6. Divide the sum of $2\frac{1}{4}$ and $5\frac{1}{5}$ by the product of $2\frac{1}{4}$ and $\frac{2}{3}$.
7. Evaluate $\sqrt{10 + \sqrt{25 + \sqrt{108 + \sqrt{154 + \sqrt{225}}}}}$.
8. Find the greatest number of eight digits which is a perfect square.
9. Find the value of x so that $(2^{-1} + 4^{-1} + 6^{-1} + 8^{-1})^x = 1$.
10. Find the value of x for which $2^{x+4} - 2^{x+2} = 3$.
11. Simplify : $\frac{3 \times 27^{x+1} + 27 \times 3^{3x}}{3 \times 3^{3x+2} - \frac{1}{3} \times 27^{x+1}}$.
12. Find the cube root of 68921 through estimation.
13. If $\sqrt[3]{185193} = 57$, then the value of $\sqrt[3]{185193} + \sqrt[3]{185.193} + \sqrt[3]{0.000185193}$.
14. Three numbers are in the ratio 1: 2: 3 and the sum of their cubes is 7776. Find the numbers.
15. Subtract $4p^2q - 3pq + 5pq^2 - 8p + 7q - 10$ from $18 - 3p - 11q + 5pq - 2pq^2 + 5p^2q$.
16. Add $l^2 + m^2, m^2 + n^2, n^2 + l^2, 2lm + 2mn + 2nl$.
17. Express the following numbers in the standard form :
 - a) Charge of an electron is 0.000, 000, 000, 000, 000, 16 coulomb.
 - b) The distance from the earth to the sun is 149, 600, 000, 000 m.
18. Express the numbers in the usual form :
 - a) 3×10^{-5}
 - b) 7.54×10^{12}
19. Multiply : $a^2 - 2ab + b^2$ by $a^2 + 2ab + b^2$,
20. Simplify : $(x - y)^2 + 2(x + y)(x - y) + (x + y)^2$.
21. Perform the division $(6x^3 + x - 2) \div (x - 2)$ and verify the result.
22. Verify the division algorithm i.e. Dividend = Divisor $\times$ Quotient + Remainder. Also write the quotient and remainder when $6y^5 + 4y^4 + 4y^3 + 7y^2 + 27y + 6$ is divided by $2y^3 + 1$.

23. Show that $xy \left[(x + y) \left(\frac{1}{x} + \frac{1}{y} \right) - 4 \right] = (x - y)^2$.

24. Resolve into factors : $(x^2 - 7x)^2 + 18(x^2 - 7x) + 72$.

25. Factorise $x^2 + \frac{1}{x^2} - 3$.

26. Art Integrated Project : Prepare a Rangoli Design using geometric Patterns and Tessellations.

NOTE: Homework should be done on A4 size sheets. Arrange the answer sheets orderly, keep them in a folder and submit. Front page should be decorated also it should depict your name, grade and section. Kindly be adhere to the submission date i.e. 27/08/2025.

ARABIC

- 1 - كتابة خمسين كلمة باللغة العربية وترجمتها إلى اللغة الإنجليزية
- 2 - كتابة موضوع عن (رحلة مدرسية) ما لا يقل عن خمسين كلمة .
- 3 - تكوين 10 جمل فعلية .
- 4 - تكوين 10 جمل اسمية

URDU

- ۱۔ علامہ اقبال کی نظم 'بچے کی دعا' تصویر کے ساتھ ایک چارٹ پر لکھیے۔
- ۲۔ 'ہندوستان کی خصوصیات' پر ڈیڑھ سو الفاظ کا مضمون لکھیے۔
- ۳۔ کرائے گئے قواعد دو مرتبہ لکھیے
- واحد جمع، مذکر مونث، الفاظ متضاد، سابقے، لاحقے۔

HINDI

परियोजना कार्य-

- 1- भारत या संसार के प्रसिद्ध स्मारकों में से किन्हीं तीन के बारे में सचित्र जानकारी दीजिए ।
- 2- अपनी व्याकरण पुस्तक के पृष्ठ क्रमांक (pg No) 186, 187, 188, 189 , 190 पर दिए गए प्रश्नों के उत्तर लिखिए ।
- 3- पठित पाठों के प्रश्न उत्तर लिखकर अभ्यास कीजिए ।

TAMIL

இயல்-2

1. pg 58 செய்தி உருவாகும் வரலாறு
2. Pg 37 தமிழ்ப்பசி
3. Pg 82 தண்ணீர் பற்றி

MALAYAM

ആശയം വിപുലീകരിച്ഛു എഴുതുക

1. "ഐക്യമന്തം മഹാബലം"
2. "മനസ്സുണ്ടെങ്കിൽ മാർഗ്ഗവുമുണ്ട്"

ഉപന്യാസം തയ്യാറാക്കുക.

1. ലോകസമാധാനം
2. വ്യഭാസഭരണങ്ങൾ

കുറിപ്പ് തയ്യാറാക്കുക.

1. മായം ചരേത്ത കേഷണ സാധനങ്ങ്ളുടെ വില്പന നിരോധിക്കണം എന്നാവശ്യപ്പെടുക്കുവെന്ന് പൗരസമിതിപ്രസിഡന്റനെ നിലയിൽ ആരോപ്യ മന്ത്രിക്ക് ഒരു കത്ത് തയ്യാറാക്കുക .

2. സ്കൂളിലെ സയൻസ് ക്ലബ്ബ് ഉത്പാദനം ചെയ്യുന്നതിലേക്കായി വിദ്യാഭ്യാസവകുപ്പ് മന്ത്രിയെ ക്ഷണിപ്പുകയാണ് ഒരു കത്ത് തയ്യാറാക്കുക .

FRENCH

I- Grammaire

a- Formez des adverbes de ces adjectifs:

Lent heureux
Régulier doux.....
Triste Vrai
Poli Absolu

B- Mettez ces conjonctions dans des phrases:

-Parce que:
- 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 neige.

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.Voila une maison. (autre,blanche).

.....

c. Voila 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:

.....

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

.....

c- Donnez les moyens de transports en France.

.....

III- expression écrite:

a- Racontez ta journée typique.(dix lignes)

.....

b. Décrivez votre salle de classe en quelques lignes.

.....

C- Préparez votre fiche d'identité.

ENGLISH

ASSIGNMENTS:

Read the novel '*Fahrenheit 451*' by Ray Bradbury OR '*The City of Ember*' by Jeanne DuPrau

After reading the assigned novel, create a vibrant, creative scrapbook that reflects your personal thoughts, reflections, and analysis of the story. Your scrapbook should demonstrate your understanding of the novel and explore how it affected you as a reader. Your scrapbook should also connect the themes of the novel to the world we live in today.

Instructions:

1. **Include at least 5-7 scrapbook pages (not including the cover page)**, each focused on a different aspect of the novel (e.g., characters, themes, key events, personal reflections). Use a mix of visuals and written content.
2. **Incorporate creative elements** like drawings, magazine clippings, photographs, poems, or song lyrics that relate to the themes or emotions in the novel.
3. **Write a personal reflection** (minimum one paragraph per page) explaining how each page connects to the story and how it impacted you as a reader. Use specific references from the novel.
4. **Make real-world connections** by relating the themes of *Fahrenheit 451* to current issues in society.
5. **Neatness and effort matter** — your scrapbook should be well-organised, visually engaging, and thoughtfully put together. Label all sections clearly and check your spelling and grammar.

Create a fun comic strip retelling your favourite fairy tale.

Instructions:

1. **Choose your favourite fairy tale** and **retell** the story as a comic strip with at least **6 panels** that show the beginning, middle, and end of the story.
2. **Use dialogue bubbles, narration boxes, and expressions** to bring the characters to life and show what they're thinking, feeling, or saying.
3. **Add colour and drawings**, to make your comic visually fun and creative.
4. **Put a twist on the original story**— you can change the setting, give characters new personalities, or add a modern or funny spin.
5. **Include a short title** on your comic strip. Make sure your handwriting is clear and easy to read.

Create a travelogue of the places you will visit over the summer holidays.

For each destination, write a descriptive paragraph that includes a brief history of the place, and its historical or cultural significance.

Instructions:

1. **Include at least 3 destinations** in your travelogue.
2. **Make your travelogue visually creative** by adding drawings, pictures, maps, or brochures for each place.
3. **Write in your own words** and make sure your paragraphs are well-organised, with correct spelling, punctuation, and grammar.

SUBJECT: SOCIAL SCIENCE

HISTORY

Make a scrap book. Collect pictures and Information about the well-known British Lords who ruled over India.

Keep the following pointers in your mind.

- 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 include all required elements as well as additional information.
- The scrapbook should be exceptionally attractive in terms of design, layout and neatness.
- There should be no grammatical/mechanical mistakes in the scrapbook

GEOGRAPHY

Prepare a chart on Rain Water Harvesting, mentioning its importance, advantages and disadvantages and support the same with colourful images. All items of importance in the chart should have clear captions.

- All pictures should be related to the topic and make it easier to understand
- The chart should be exceptionally attractive in terms of design, layout, and neatness.
- The chart should include the title of the topic, your name, class and section.
- The chart should include all required elements as well as additional information.
- All items of importance in the chart should have clear captions.
- All pictures should be related to the topic and make it easier to understand
- The chart should be exceptionally attractive in terms of design, layout, and neatness.

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Science

Biology- 1. Design a colourful poster about microorganisms, highlighting their importance or diseases they cause.

2. Write a story or poem about the adventures of microorganism.

Chemistry- 1. Element Cards

Make element cards (like flashcards) for 5 metals and 5 non-metals. Each card should have:

- Name
- Symbol
- Atomic number
- One key physical property
- One key use

Make them attractive and colorful.

2. Make a colorful poster on any one of the following topics:

- “Say No to Wastage of Fossil Fuels”
- “Green Energy: The Need of the Hour”

Poster should be done on A4 or chart paper.

Physics- 1. Poster Making

Topic: “Lightning – Friend or Foe?”

- Make a poster on an A4 sheet showing:
- Causes of lightning
- Precautions during lightning
- How lightning rods work
- Use diagrams, facts, and short slogans.

2.Create a working model to show how pressure is used in hydraulic systems.