



**RAMAKRISHNA**  
**SENIOR SECONDARY**  
**SCHOOL**  
**M-BLOCK, VIKASPURI**  
**NEW DELHI-**  
**SESSION 2026-27**  
**HOLIDAY HOMEWORK**  
**CLASS VIII**



Dear Parents,  
Greetings from the RKS Fraternity!

### GENERAL INSTRUCTIONS

The Academic Session 2026–27 has begun in full swing, and the students have settled well into their classes.

Now it is time for the Summer Break. The school will remain closed for Summer Break for Classes LKG to VIII from May 17, 2026 to June 30, 2026, and will reopen on July 1, 2026. Summer vacations are the most awaited holidays for students. It is also a time to enjoy the little pleasures of life that often get overlooked during the busy school routine. Students return to school refreshed and rejuvenated after a much-needed break.

There are a few things that students can keep in mind to utilize this break fruitfully:

1. Go for educational trips and excursions.
2. Spend quality time with family and friends.
3. Pursue your hobbies and interests.
4. Sharpen your existing skills and develop new ones.
5. Follow a fitness regime to stay agile both mentally and physically.
6. Learn and explore new things.
7. Relax your body and mind because, "A Healthy Mind Lives in a Healthy Body."
8. Develop the habit of reading books, newspapers, and magazines.
9. Revise important concepts learnt during the session to strengthen understanding.
10. Limit excessive screen time and use digital devices wisely.
11. Practice good manners, discipline, and positive behaviour at home and outside.
12. Stay safe and follow necessary precautions while travelling or engaging in outdoor activities. In order to keep our students meaningfully engaged, Summer Holiday

Homework will be available on the school website: [www.rks.net.in](http://www.rks.net.in)

"We wish all our students a  
delightful, safe, and  
productive Summer Break!"

Regards Principal

# HOLIDAYS HOME WORK

Class VIII

ENGLISH

## 1) Moon Mission Experience

(Dhruva Space Club)

Imagine you are Neil Armstrong, the first person to walk on the Moon. Describe your experience of visiting the Moon. Write about what you saw, felt, and thought during your journey and while stepping onto the lunar surface.

### Instructions:

- Write in 100–150 words.
- Do it on an A4-size sheet.

## 2) Create Your Own Newspaper

Design your own newspaper and include the following:

- Headlines
- Weather Report
- Sports News
- Comics
- Advertisements

## 3) Future Diary Writing Topic: “My First Day at an AI School in 2050”

Students can imagine:

- Robot teachers
- Smart classrooms
- AI homework helpers
- Hologram lessons
- Flying school buses
- (Do this work in your notebook)

## 4) Revise the Syllabus for PT-1

Revise and learn the complete syllabus for PT-1

**HINDI**

1 - दो दोस्तों के बीच गमयों की छुट्टियों को रोचक और ज्ञानवधक बनाने के वषय में चचा करते हुए संवाद लखें।( हन्दी की काँपी में कीजए)

2- वषय संवधक कायक लाप - कसी पवतीय स्थल की यात्रा का वणन चत्र स हत अनुचुछेद रूप में ल खए । ( हन्दी की कॉपी में कीजए)

3- प्र त दन अखबार पढ़े।

4- प्रथम आव धक परीक्षा का पाठ्यक्रम याद करें ।

धरोहर - पाठ-1,2,3

व्याकरण

पाठ-5 शब्द नमाण (उपसग, प्रत्यय)

पाठ - 6 संज्ञा

पाठ - 4 शब्द-भंडार [पयाय वाची(1-20), वलोम शब्द (1-20)

अनुचुछेद, अप ठत गद्यांश

सरस कहा नयां - पाठ-1,2 (मूल्यपरक प्रश्न)

## MATHEMATICS

### 1) Revise Syllabus of PT1

Chapter 1 = Square and Square Root

Chapter 2 = Cube and Cube Root

Chapter 12 = Understanding Quadrilateral

### 2) Do Subject Enrichment Activity on A-4 Size Sheet and Paste in geometry notebook.

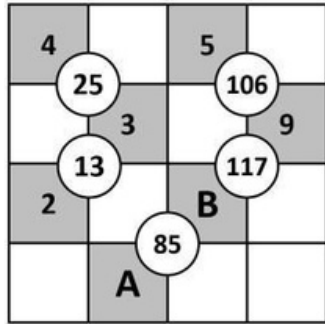
Activity - Draw FAMILY TREE of quadrilateral.

### 3) Prepare Cover Page : "COMPUTATIONAL THINKING "

Complete the following worksheets and paste in the notebook.

Chapter : A Square and a Cube

1. In the following grid, all the circles follow the same theme. What will be the value of  $A + B$ ?



- 12    b) 14    c) 13    d) 15

2. Sam writes a list of natural numbers. The list has three perfect cubes and three perfect squares. If no number in the list has more than two digits, what is the MINIMUM number of distinct numbers he must have written?

- a) 3    b) 4    c) 5    d) 6

3. If  $AB$  is a two-digit number whose cube is in the form of a 4-digit number “\_\_ \_\_ \_\_ C” such that  $A < C < B$ , how many different values can  $C$  have?

- a) 2    b) 3    c) 4    d) More than 4

4.  $56 \times k$  is a perfect cube where  $k$  is a natural number. What could be the smallest possible value of  $k$ ?

- a) 36    b) 49    c) 56    d) 72

5. Each geometrical shape denotes a certain operation. What will come in place of “?”

$\square 16 \rightarrow 256$

$\square 19 \rightarrow 361$

$\square 15 \rightarrow 3375$

$\square 11 \rightarrow 1331$

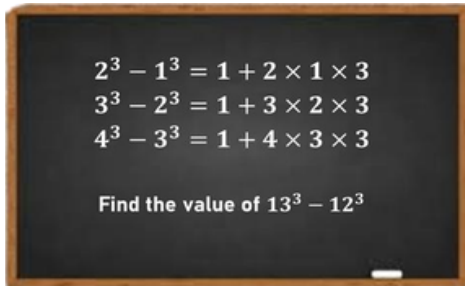
$\square 14 + \square 12 \rightarrow ?$

- a) 2888    b) 1914    c) 1924    d) 340

6. XYZ is a 3-digit number such that it is the square of a multiple of 5. What will be the HIGHEST possible remainder of  $(XYZ)/100$ ?

- a) 10    b) 15    c) 20    d) 25

7. A class teacher wrote the following pattern on the board, where an expression is written after the “=” sign in each row. She then asked the class to find the expression for  $13^3 - 12^3$ . Which DIGIT appears the HIGHEST number of times in the expression that denotes  $13^3 - 12^3$ ?



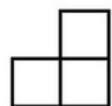
- a) 1    b) 2    c) 3    d) 4

8. Fill in the grid with the squares and cubes of digits 2 to 5 such that:

- Each square/cube number appears twice
- Both square and cube of the same number cannot appear in the same row/column
- Same numbers do not appear diagonally

What is the maximum possible sum that can be obtained by the cells present in the configuration of Shape A (without rotation)?

64			4
27	125		
8		9	25
		16	



Shape A

GRID

- a) 197    b) 161    c) 193    d) 216

9. The image below shows a logic machine, where numbers move from Column to Column (starting from column 1 as input and reach column 4) through the tunnel, where they change in a different way, each time. What would be the sum of A, B, and C?

Column 1	Column 2	Column 3	Column 4
4	15	6	216
22	483	15	3375
11	120	3	27
7	A	B	C

- a) 2259    b) 1795    c) 180    d) 1788

10. Every column follows a certain rule. What numbers should come in place of “?”

CL1	CL2	CL3	CL4
16	28	25	12
9	7	16	27
12	14	20	?

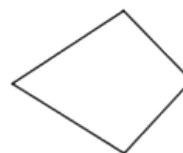
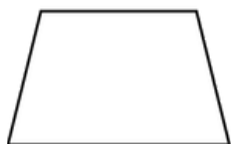
- a) 17    b) 18    c) 19    d) 21

Chapter : Understanding Quadrilaterals

1. Raj colored the following shapes (Trapezium, Parallelogram, Square, Kite) in

Red, Yellow, Green, and Blue, not necessarily in the same order.

- The shape colored in Red has no parallel sides
  - The shape with each of its angles equal to  $90^\circ$ , is not Yellow
  - The shape with two pairs of parallel sides is not Green
- Which shape did he color in yellow?

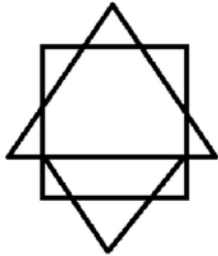


- a) Trapezium    b) Parallelogram    c) Square    d) Kite

---

---

2. How many quadrilaterals are there in the given figure?



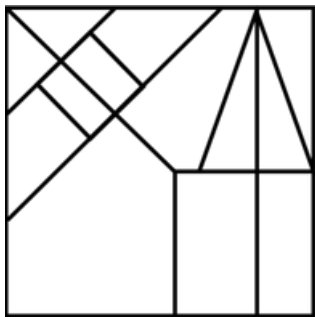
- a) 8                                      b) 9                                      c) 10                                      d) 11

---

---

3. How many rectangles are there in the given figure?

*Note: For the purpose of this question, please count all squares also as rectangles*

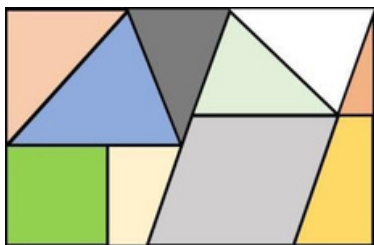


- a) 8                                      b) 9                                      c) 10                                      d) 11

---

---

4. In the given tangram, how many quadrilaterals are made with exactly 3 colored tiles?



- a) 4                                      b) 3                                      c) 2                                      d) 1

5. Below are three families of shapes and a set of Property Cards.

- A property card should be placed into a family if the property applies to that family
- A single property may belong to more than one family

After placing all the property cards, which family will have the maximum number of properties?

Rectangle Family	<b>Property Cards</b> <ul style="list-style-type: none"><li>• All sides are equal and all angles are <math>90^\circ</math>.</li><li>• All angles are <math>90^\circ</math> and opposite sides are equal.</li><li>• Opposite sides are parallel.</li><li>• Diagonals are equal and bisect each other.</li><li>• Opposite sides are equal and parallel.</li></ul>
Square Family	
Parallelogram Family	

- a) Square Family b) Rectangle Family c)Parallelogram Family d) Both a and c

6. In the grid, each letter stands for the initial of a shape: Square, Rhombus, Kite, Trapezium, and Parallelogram. How many pairs of adjacent letters represent two shapes in which the diagonals bisect each other?

R K S P T R P S T P R S K

- a) 3    b) 4    c) 5    d) 6

7. Find the option that does NOT belong to the elements in the given set.

Set = (Angle between diagonals of a Rhombus, Each angle of a rectangle, Each angle of a square)

- a) Angle inscribed in a semicircle
- b) Half of sum of opposite angles of a Cyclic Quadrilateral
- c) Each angle of an Equilateral Triangle
- d) Angle opposite to Hypotenuse in a Right - Angled Triangle

8. Which shapes from the given options will NOT form a quadrilateral when any two identical shapes are joined along any one of their sides?

Note: You can rotate the shapes but they cannot overlap each other

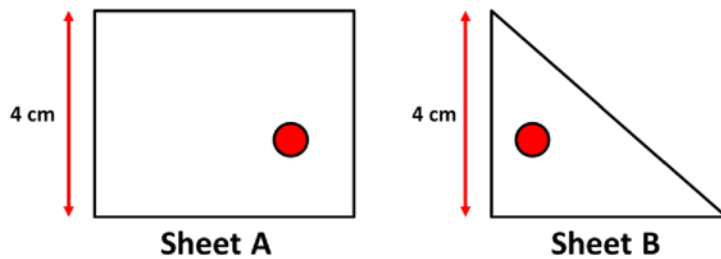
- a) Triangle      b) Rhombus c) Trapezium d) Pentagon

---



---

9. Two transparent sheets are shown below. Sheet A is a rectangle and Sheet B is a right-angled triangle. Rearrange the sheets so that the red points overlap exactly (without rotating or flipping the sheets). How many quadrilaterals are formed in the final figure?



- a) 3      b) 4      c) 5      d) 6

10. Paul and Sam are at different positions and start walking in opposite directions but along parallel paths. After covering the same distance, each of them turns toward the starting point of the other person and walks straight (without taking any other turns) until they reach each other's starting points. What can we say for certain about the shape formed by BOTH their paths together?

- a) The shape of the paths is a rectangle      b) It has no lines of symmetry  
 c) Opposite sides are of same length      d) Both options a and c

---



---

# SCIENCE

1. Write a project report on the threats to life on the Earth.( Refer pg. 236-239 )
2. Prepare microbe ID card of any 4 microorganisms.( Refer pg. 22-25)
  - Name
  - Type
  - Super power( use or harm ) ● Home ( where it lives)
  - Sketch or photo of microbe
3. Subject enrichment activity:Make a ppt on four major groups of microorganisms .Take printout and paste in copy.
4. Sky Gazing activity: Observe the sky at night for different stars ,planets ( Venus) and constellations.
  - a. Write difference between stars and planets.
  - b. Draw and write about a summer constellation seen by you.
5. **Kaushal Bodh Activity:** Build a hydroponic system using 'Wick method '.

## Objective

To understand how plants can grow without soil using water and nutrients.

## Materials Required

5. Kaushal Bodh Activity

Plastic bottle (cut into two halves)

Water

Cotton or sponge

Seeds (mustard / coriander / spinach)

Nutrient solution (or a pinch of fertilizer mixed in water)

Thread or wick (optional)

## Procedure

Take a plastic bottle and cut it into two parts.

Invert the top part (like a funnel) and place it into the bottom part.

Fill the bottom part with water mixed with nutrients.

Place cotton or sponge in the top part and add seeds.

Ensure the cotton touches the water (or use a wick).

Keep the setup in sunlight.

Observe daily for 7–10 days.

👁️ Observations

Seeds begin to germinate in a few days.

Roots grow downward into the water.

Leaves start developing without soil.

❓ Conclusion Questions

Can plants grow without soil? Explain your observation.

What is the role of nutrients in this activity?

How is hydroponics different from traditional farming?

What are the advantages of hydroponics?

( Do this activity on A4 size ruled sheet)

( Bring the plant grown to school)

6.Revise PT1 syllabus

7.Grow any one sapling( mango, Neem,peepal etc) , nurture it and bring it for plantation drive at school when asked.

## SOCIAL SCIENCE

Kindly do the following activities in the Geography notebook (light green).

1. Learn and Revise the full syllabus of Periodic Test-1.
2. “Prepare a neat and creative mind map showing the different steps involved in the law-making process. Also write a brief explanation of each step in your own words.”
3. On the Political map of India mark the following (refer to page number 69):
  1. Surat
  2. Ahmedabad
  3. Gwalior
  4. Satara
  5. Kolkata

6. Lahore
7. Nagpur
8. Indore
9. Chennai
10. Kochi

4. Make a working project/model on the following topics as assigned in class. (Dhruva Space Club)

- Create a working model of a constellation using black chart paper, LED lights, pins, thread, or wool. Label the constellations clearly.
- Prepare a 3D Solar System model showing all the planets in order from the Sun.
- Design a model to demonstrate the different phases of the Moon using balls and a light source.
- Make a working model to explain how Earth's rotation causes day and night using a torch and a globe.
- Create a working model to demonstrate both Solar Eclipse and Lunar Eclipse.
- Build an Artificial Satellite model showing its main parts such as solar panels and antennas.

### संस्कृत

- 1) संस्कृत में चारों वेदों के विषय में जानकारी प्राप्त करें एवं चारों वेदों का अलग - अलग परिचय दें।  
5-5 वाक्य संस्कृत में उत्तरपुस्तिका में लिखें।
- 2) ग्रीष्मावकाश में किसी दशमीय स्थल की यात्रा का विवरण चित्र सहित संस्कृत में उत्तरपुस्तिका में लिखें।
- 3) 'दातृ' शब्द रूप उत्तरपुस्तिका में लिखें।
- 4) पाठ - 1,2,3, में आए क्त्वा प्रत्यय के 10 शब्द और तुमुन् प्रत्यय के 10 शब्द छांटकर कॉपी में लिखें।
- 5) प्रथम अवधि परीक्षा का सम्पूर्ण पाठ्यक्रम याद करो।

प्रथम त्रैमासिक परीक्षा - 1 (2026-27) का पाठ्यक्रम

पाठ - 1,2,

व्याकरण - ऋकारान्त शब्द रूप ( पतृ, मातृ, मातृ, ) धातु रूप, लङ् लृङ् क्त्वा, चल्, गणना (1-50) तक, समय, अपठित गद्यांश, चित्र वर्णन,

## COMPUTER / AI/IT

Q1. Write a paragraph on topic “Computer is a boon or bane” in about 100 words in the notebook

Q2. Make a comparison table: (five points) in the notebook.

| Wired Network | Wireless Network |

Q3. Design a cyber safety awareness slide on MS-PowerPoint (5 slides)by using AI Tools (Gamma, Prezzi ):

“Safe Browsing Habits” and paste its printout in the notebook.

Q4. Create a colourful collage on Gamma AI or Canva AI, take the printout and paste in the notebook:

Topic :- “Internet Safety Tips for Teenagers”

Q5. Learn the Syllabus of PT-1 and complete assignments in your notebook.

## GENERAL KNOWLEDGE

- 1) Write 10 Current Affairs of May month in the G.K. notebook.
- 2) Write 10 Current Affairs of June month in the G.K. notebook.
- 3) Complete G.K. book till page number 40.

## ART & CRAFT

- 1) Design and decorate a beautiful pot using vibrant colours, mirrors, and your own creative ideas.
- 2) Create 10 handmade flowers using ice cream sticks and decorate them creatively with craft material of your choice.

**RAMAKRISHNA SENIOR SECONDARY SCHOOL**  
**PERIODIC TEST 1 DATESHEET [ 2026- 2027 ]**

Cir 2026-2027/Datesheet/1

April 30, 2026

Dear Parents,

Kindly note the schedule for Periodic Test 1 for Classes I – IX. Parents are requested to adhere to the following guidelines:

- 1) Clear all outstanding dues **before the Periodic Test - 1.**
- 2) **The School timings w.e.f. July 6 – 11, 2026 will be 7:50 am – 10:40 am.**
- 3) **It is mandatory for all the students to appear in Periodic Test - 1**
- 4) **School Buses will ply during the examination days.**
- 5) **Non - participation will result in exclusion of weightage for this portion from subsequent exams. Students are advised to approach the exam with diligence. Hence it is in the interest of the students to take this exam with all seriousness.**
- 6) **The examination will be cancelled, if a student is found cheating or adopting any unfair means i.e. using cheating slips, mobile phones, calculator, electronic gadget, smart watch etc.**
- 7) **Students should come to school on exam days. [ Refer to the Datesheet].**
- 8) **Students must appear for the exam in proper school uniform.**
- 9) **Regular Classes will resume from July 13, 2026 [ Monday ].**
- 10) **Refer to the schedule below for PT-1:--**

Classes	July 6, 2026 [Monday]	July 7, 2026 [Tuesday]	July 8, 2026 [Wednesday]	July 9, 2026 [Thursday]	July 10, 2026 [Friday]	July 11, 2026 [Saturday]
<b>I</b>	English	Maths	Hindi	EVS	Computer	<b>Holiday</b>
<b>II</b>	English	Maths	Hindi	EVS	Computer	<b>Holiday</b>
<b>III</b>	Science	Hindi	English	<b>Study Leave</b>	Social Studies	Maths
<b>IV</b>	Social Studies	English	Maths	<b>Study Leave</b>	Hindi	Science
<b>V</b>	Science	Maths	Hindi	<b>Study Leave</b>	Social Studies	English
<b>VI</b>	Maths	Social Science	English	Hindi	Science	Sanskrit
<b>VII</b>	Social Science	Hindi	Sanskrit	Science	English	Maths
<b>VIII</b>	English	Science	Maths	Hindi	Sanskrit	Social Science
<b>IX</b>	Social Science	Maths	Science	IT	English	Hindi

The following subjects Periodic Test 1 will be held during the regular school hours on the mentioned date --

Exam Date	Classes	Subject
July 13, 2026 [Monday]	III – VIII	Computer , AI & IT

Your cooperation in this regard is greatly appreciated.

Examination Incharge