

RKM
MEMORIAL
ACADEMY

8th

Summer
Holiday

Homework

INSTRUCTIONS

for Summer Holiday Homework

1

Do your homework **neatly, sincerely** and **independently**.



2

Submit your holiday homework **on time** after the summer break.



3

Use **good quality** notebook / sheets as mentioned for each subject.



4

Present your work neatly with proper **headings**, and **index**.



5

Be **creative** in your work. Use **colours**, charts, diagrams and drawings wherever required.



6

Revise all the subjects regularly and complete the given assignments sincerely.



7

Maintain the **originality** of your work. Do not copy from the internet or others.



8

Keep your Homework folder/file well **organised** and **clean**.



9

Reading is fun! Read good books, enhance your knowledge and spend quality time with your family.



Enjoy your holidays!

Have fun, stay safe and keep learning.

♥ **See you soon!** ♥



RKM MEMORIAL ACADEMY

Class 8th MATHEMATICS SUMMER HOLIDAY HOMEWORK

RESEARCH PROJECT THE STORY OF NUMBERS: EGYPTIAN MATHEMATICS

1

1. INTRODUCTION

- What are numbers?
- What is Egyptian Mathematics?
- Why did Ancient Egyptians use mathematics?



2. HISTORY OF EGYPTIAN MATHEMATICS

- Write briefly about Ancient Egypt and the Nile River.
- Use of maths in farming, trade, and construction.
- Discovery and development of Egyptian numbers.

3. EGYPTIAN NUMBER SYSTEM

Draw or paste Egyptian number symbols for:



Also show how Egyptians wrote large numbers using symbols.



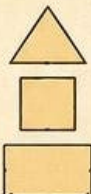
2

4. MATHEMATICS IN PYRAMID CONSTRUCTION



- How Egyptians used maths to build pyramids.
- Use of measurements and geometry.
- Importance of angles and shapes.

5. EGYPTIAN GEOMETRY



Triangles

Squares

Rectangles

Include diagrams and explanations of different shapes and their area and measurement concepts.



6. FUN FACTS ABOUT EGYPTIAN MATHEMATICS

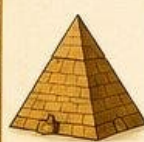


- ★ Egyptians did not use zero.
- ★ They used symbols instead of digits.
- ★ Their maths helped in building pyramids.
- ★ Egyptian mathematics influenced modern maths.

3

7. CREATIVE SECTION

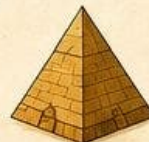
Students may add any of the following:



Pyramid drawings



Egyptian number chart



3D pyramid model



Decorative Egyptian borders



Timeline of Egyptian mathematics

8. CONCLUSION

"Egyptian Mathematics played an important role in the development of modern mathematics."



INSTRUCTIONS

- ☒ Use colourful headings and borders.
- ☒ Add pictures and diagrams.
- ☒ Maintain neat and clean work.
- ☒ Submit in file form.
- ☒ Submission Date: _____



4



RKM MEMORIAL ACADEMY

Class 8th MATHEMATICS SUMMER HOLIDAY HOMEWORK

ROLL NO. 1 TO 10

SYMMETRY HUNT AT HOME

Students have to create a 3D model using objects or designs showing different types of symmetry found at home.

Examples:

- ❖ Butterfly symmetry
- ❖ Rangoli patterns
- ❖ Mirror symmetry in household items
- ❖ Rotational symmetry models



- ✓ Use waste materials or craft items creatively.
- ✓ Make the model colourful and innovative.

ROLL NO. 11 TO 20

SHOPPING BUDGET LIST AT A FIXED PRICE ₹ 2000

Prepare a creative and innovative chart paper showing:

- ❖ List of shopping items
- ❖ Price of each item
- ❖ Discounts applied
- ❖ GST calculation
- ❖ Final total within ₹2000

- ✓ Use tables, drawings, and colourful headings.
- ✓ Make the chart neat and attractive.



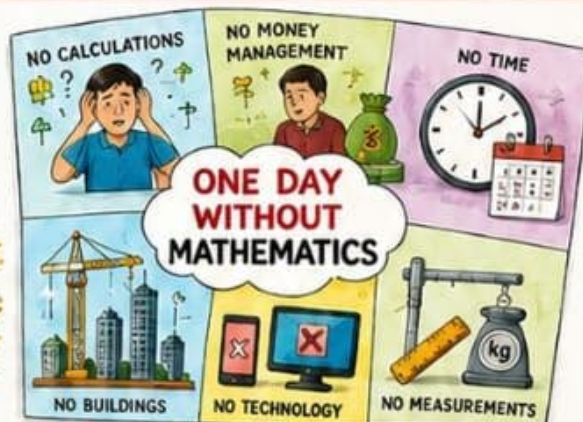
ITEM	MRP (₹)	DISCOUNT	PRICE AFTER DISCOUNT (₹)
School Bag	800	10%	720
Shoes	600	15%	510
Water Bottle	300	5%	285
Stationery Set	400	10%	360
T-Shirt	500	5%	475
TOTAL (Before GST)			2350
LESS DISCOUNT (Total)			(-) 235
SUBTOTAL			2115
GST 5% on Subtotal			(+) 105.75
FINAL TOTAL			₹ 2,000.75

ROLL NO. 21 TO 35

POSTER MAKING ACTIVITY

Make a beautiful and creative poster on the topic:

“ONE DAY WITHOUT MATHEMATICS”



- ✓ Show the importance of mathematics in daily life.
- ✓ Use drawings, slogans, and creative colouring.
- ✓ Poster should be neat, meaningful, and attractive.



Be Creative • Be Innovative • Do Your Best!



SUMMER VACATION



HOLIDAY HOMEWORK

Class – 8th

SCIENCE



Human Body Working Model

Make a simple working model of :

Lungs / Heart / Digestive System

Use Easily Available Materials :

Balloons

Bottles

Straws

Cardboard

Clay



Decoration Tips :

- Label all body parts neatly.
- Use colourful charts.
- Add short information points.

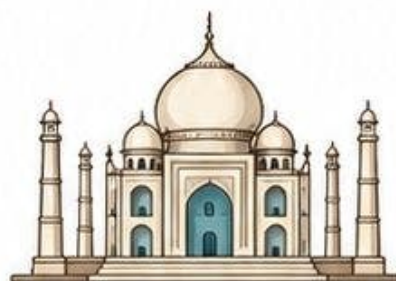


SOCIAL SCIENCE

★ Make a Model on World Heritage Sites

Roll Number Wise Topics :

Roll Numbers	Topic
01 – 07	Taj Mahal
08 – 14	Qutub Minar
15 – 21	Red Fort
22 – 28	Sanchi Stupa
29 – 35	Statue of Liberty
36 – 42	Tower of London
43 – 49	Great Wall of China
50 – 56	Victoria Falls
57 – 63	Sydney Opera House



★ Note :

Make a model showing how
a building became an art form.





SUMMER VACATION

HOLIDAY HOMEWORK

Class – 8th

MORAL SCIENCE

★ Social Awareness Poster Making

Create an attractive poster on any one topic :

Cyber Safety

Anti-Bullying

Digital Detox



Poster Requirements :

- Use bright colours
- Draw creative illustrations
- Make the message meaningful and attractive
- Add catchy slogans

Slogan Examples :



“Think
Before You
Click!”



“Disconnect
to
Reconnect.”



“Be Kind,
Stop
Bullying.”



GENERAL KNOWLEDGE

★ Option – 1 : Mini GK Magazine

Prepare a colourful GK Magazine including :

- Current Facts
- Inspirational Quotes
- Famous Personalities
- Brain Teasers
- Interesting World Facts

OR

★ Option – 2 : “Mini G-20 / Global Summit” Newsletter

Prepare a 4-page Newsletter in a project file.



Page – 1 : What is G-20?

Page – 2 : Profile of Any 3 Member Countries.

Include : Capital, Currency, One Current Issue



Page – 3 : Write Full Forms of Any 8 International Organisations

Examples : WHO, UNESCO, UNICEF, WTO, NATO, SAARC, IMF, ISRO



Page – 4 : India's Role in G-20

Write any 5 points with suitable pictures.



COMPUTER



★ Project Topic : “Artificial Intelligence in Our Daily Life”

Include the Following Topics :

1. Introduction
2. Uses of AI in Daily Life
3. Smart Home Devices
4. Advantages of AI
5. Disadvantages of AI
6. AI in Education
7. Future of AI
8. Conclusion

Decoration Ideas :



Draw a robot on the cover page



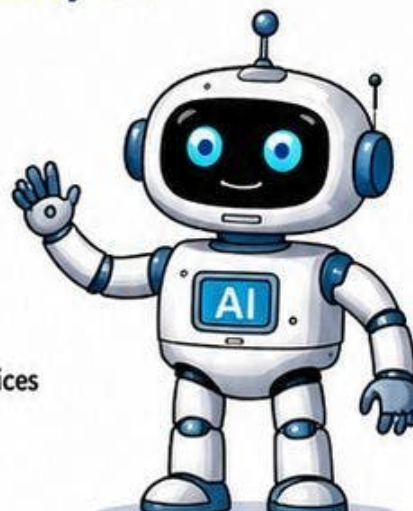
Paste pictures of smart devices



Use blue and silver colours for headings



Add charts or diagrams of AI tools



SUMMER VACATION

HOLIDAY HOMEWORK

Class – 8th

★ Option – 1 : Grammar Practice

Complete Comprehensive Exercises 1 to 10 in your English Grammar Book neatly.

OR

★ Option – 2 : Mini English Magazine

Prepare a colourful Mini English Magazine using A4 sheets. You may draw or paste pictures to decorate it.

Include :

- Poems
- Jokes
- Inspirational Quotes
- Short Articles
- Fun Facts
- Riddles or Puzzles

Decoration Ideas :



Use colourful borders



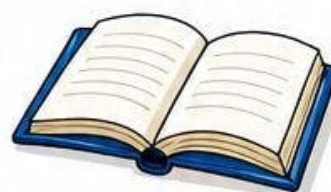
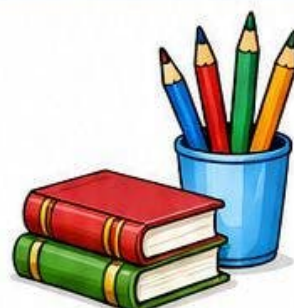
Paste magazine-style pictures



Draw cartoons and doodles



Give creative titles to each page



ART & CRAFT

🌸 Flower Craft Ideas

1. Paper Rose Bouquet

Make colourful roses using craft paper and arrange them in a bouquet.

2. Sunflower Wall Decor

Create a large sunflower using paper or cardboard for room decoration.

3. Tissue Paper Flowers

Use tissue or crepe paper to make soft and fluffy flowers.



♻️ Creative Model Ideas

★ Nature Mandala Art

Create a circular design using leaves, flowers, seeds, and dry petals.



9. Best Out of Waste Sculpture

Use plastic bottles, newspapers, and cardboard to make :

- Pen Stands
- Mini Houses
- Robots
- Flower Vases



🌿 Wall Hanging Ideas

4. Dream Catcher

Make a beautiful dream catcher using wool, feathers, and beads.

5. Ice Cream Stick Wall Hanging

Use ice cream sticks to create

- Photo Frames
- Mini Houses
- Name Plates
- Hanging Decorations

6. DIY Photo Frame or Wall Hanging

Use ice cream sticks, jute rope, and buttons to create decorative wall art.

7. Butterfly Hanging

Make colourful butterflys with paper and hang them using threads.



Theme Poster Ideas

Create posters on the following themes :

- Save Water
- One Day Without Mobile
- Earth is Our Home
- Future India
- Math Around Us



SUMMER VACATION

ग्रीष्मकालीन गृह कार्य

कक्षा – 8 (संस्कृत)

1

कति उपनिषदः इति

शास्त्वा नाम सहितं चित्रांकनं कुरु।

2

गीतायाः श्लोकान्
लिखित्वा (चार्ट पेपर)
अलंकुरुत।

श्रीमद्भगवद्
गीता

श्लोकः

कर्मण्येवाधिकारस्ते
मा फलेषु कदाचन।
मा कर्मफलहेतुर्भुग्मा
ते संगोऽस्त्वकर्मणि ॥

हिंदी समर हॉलीडे

विषय :

हिंदी व्याकरण विषय में
एक मॉडल तैयार कीजिए।

इस मॉडल में शामिल होंगे-

- संज्ञा
- सर्वनाम
- विशेषण
- क्रिया
- काल
- विलोम शब्द
- मुहावरे आदि

पढ़ें भी, लिखें भी, सीखें भी और मजे भी करें!

यह अवकाश है ज्ञान, आनंद और संस्कार का संगम!

SUNSHINE
MEMORIES
SUMMER
SMILES

RELAX

UNWIND

ENJOY

REPEAT

Thank
You

GOOD TIMES
TAN LINES
HAPPY MINDS

Summer Holidays,
Endless Memories!