

Holiday Homework

Grade - 7th

2026-27

MATHEMATICS

GRADE 7 MATHS HOLIDAY HOMEWORK

Q1. Solve the following questions and tick the correct answer (take out the printouts of the given sheet and tick the correct answers)

The length and breadth of a rectangle are $12\frac{4}{5}$ m and $9\frac{1}{2}$ m. Its perimeter is

- a) $\frac{200}{5}$ m b) $44\frac{3}{5}$ m c) $40\frac{1}{5}$ m d) $\frac{100}{3}$ m

The product of $8\frac{1}{3}$ and $2\frac{2}{5}$ is

- a) 20 b) 16 c) 25 d) 4

The distance covered by a car in one hour is $38\frac{1}{2}$ km. The distance car will cover in 5 hours is

- a) 120 km b) 192 km c) $192\frac{1}{2}$ km d) 100 km

A car covers $70\frac{7}{8}$ km in $1\frac{3}{4}$ hours. The speed of car is

- a) $13\frac{1}{2}$ km/hour b) $40\frac{1}{2}$ km/hour c) $14\frac{1}{2}$ km/hour d) none of these

There are 60 girls in a hostel, $\frac{5}{12}$ of them like to read novels, $\frac{2}{5}$ of them like to read magazines and remaining like to read detective stories. The number of girls who like to read detective stories is

- a) 12 b) 24 c) 25 d) 11

$\frac{2}{5}$ kg of butter is used to make one cake. The number of cakes that can be made using $12\frac{4}{5}$ kg of butter is

- a) 12 b) 30 c) 32 d) 10

A car covers 15 km using one litre of petrol. The distance it can cover using $3\frac{1}{5}$ litre of petrol is

- a) 40km b) 80 km c) 50 km d) 48 km

$\frac{5}{8}$ of the total number of tickets sold for a circus show were tickets for children. The number of tickets for adults sold if the total number of tickets sold was 3200

- a) 200 b) 1200 c) 100 d) 500

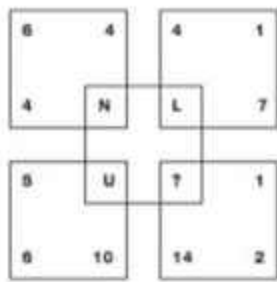
Every student participating in a mass drill requires $2\frac{2}{5}$ m of ribbon. The number of students participating if the total length of ribbon used is 240m

- a) 100 b) 120 c) 200 d) 150

The value of $81.09 \div 0.03$ is

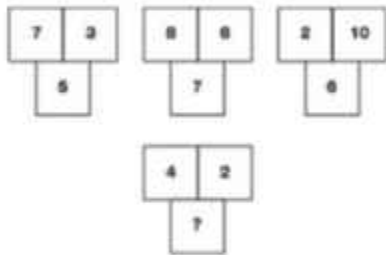
- a) 2000 b) 2703 c) 2700 d) 2500

Which letter replaces the question mark in the following :



- a) Q b) R c) S d) T

Which number replaces the question mark ?



- a) 9 b) 6 c) 3 d) 1

Which number replaces the question mark in the following :



- a) 1 b) 23 c) 10 d) 15

Study the information given below and answer the question:

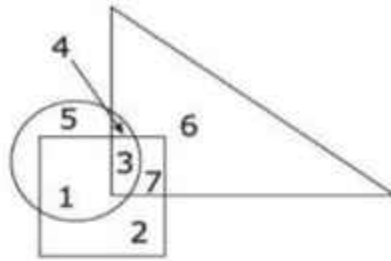
- **Ankita** is taller than **Megha**.
- **Ankita** is shorter than **Beena**.
- **Latika** is taller than **Garima**.
- **Garima** is taller than **Beena**.

Who is the tallest of all?

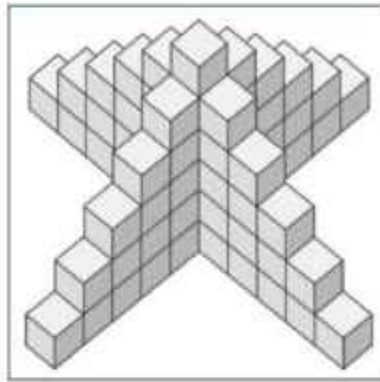
- a) Ankita b) Beena c) Latika d) Garima

Circle indicates 'strong', square indicates 'tall' and triangle 'army officers'. Which of the following options represent strong army officers who are not tall

- a) 4 b) 3
c) 5 d) 6



Solve the block counting puzzle by counting the number of blocks in the picture below ?



- a) 60 b) 66 c) 50 d) 55

What comes in place of question mark (?) in the following number series : 3,5,13,49,241, ?,

- a) 1541 b) 4411 c) 1600 d) 1441

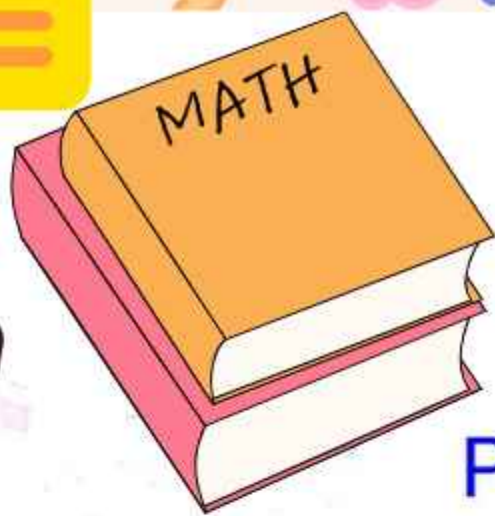
If B = 2 and BAG = 10, then BOX = ?

- a) 36 b) 39 c) 41 d) 52

Find the missing value in the figure



- a) 8 and U b) 8 and V c) 7 and U d) 9 and V



MATH

PROJECT:

The Golden Ratio:

Mathematics in Nature 🌿 *and Art* 🎨

- Page 1- Index
- Page 2- Introduction
- Page 3- History
- Page 4- Connection with Fibonacci
- Page 5- Techniques in art (Can use A-4 size sheet or cardboard)
- Page 6- Reflection

Note: Project should be made on A-4 sheets and to be submitted in a file.

English

HOMework

Lesson Chosen: The Green Morning by Ray Bradbury

Project Title:

“Can Humans Really Live on Mars?” – A Space Exploration Project

Part 1: Understanding the Story:

Write a brief summary of the story (100–120 words).

Who is Benjamin Driscoll? What problem does he face?

Why does he plant trees on Mars?

Part 2: Research Task:

1. About Mars

Write 5 facts about Mars (temperature, atmosphere, etc.)

Why is it called the Red Planet?

2. Life on Mars – Is it Possible?

Can plants grow on Mars? Why/why not?

What challenges would humans face living there?

3. Real Space Missions

Research any one Mars mission (e.g., NASA or ISRO)

Mention:

Name of mission

Year

Purpose

Part 3: Creative Task:

Diary Entry

Write a diary entry: “My First Day on Mars”

(Imagine you are an astronaut planting trees like Benjamin)

Presentation Guidelines:

*** Use A4 size light coloured sheets.**

*** Write in a neat handwriting .**

*** Include a cover page with:**

*** School Name:**

*** Name**

*** Class/Sec**

*** Subject**

*** Topic**

*** Submitted to-**

Hindi

माँ, कह एक कहानी. इस कविता को कहानी के रूप में लिखना एवं यह कहानी वास्तविक रूप से किस पर आधारित है ? उनका चित्र चिपकाकर जीवनी लिखिए ।

Sanskrit

लट्, लङ्ग एवं लृट लकार से दो दो वाक्य बनाकर लिखिए एवं दो सुभाषित श्लोक रंगीन पेन से लिखिए।

Urdu

مختلف شعبوں میں نمایاں خدمات انجام دینے والی
کوئی 4 خواتین کے نام مع تصاویر کے لکھیے اور ان
کے بارے میں چند جملے بھی لکھیے -



SCIENCE

SECTION-A

MY MOTION DIARY

Observe motion in daily life

Record for 5 days:

Task:

Observe ANY moving object:

Car

Bicycle

Fan

Walking person

Record in a table:

Object

Type of motion (rectilinear / circular / periodic)

Time taken

Distance covered (approx.)

Your observation

Write your findings :

Was the speed constant or changing?



SCIENCE*

SECTION -B:*

PROJECTILE MOTION & A SUCCESS STORY
Theme: "Science Behind a Champion Throw"

Concept Link

When Neeraj Chopra throws a javelin, it follows Projectile Motion—a curved path influenced by:

Angle of release

Speed of throw

Gravity

This is the same concept you observe when throwing a ball!

RESEARCH ABOUT:

NEERAJ CHOPRA

His journey from beginner to Olympic gold medalist

His training and discipline

Challenges he faced

Include:

Pictures of Neeraj Chopra

5 key achievements

3 qualities that made him successful

Highlight Event:

Tokyo 2020 Olympics

Write:

What made his throw special?

Explain in simple words:

Why does the javelin not go straight?

What makes it go far?




THINK & REFLECT

How does science help athletes perform better?

Why is practice important along with understanding science?

What values can you learn from Neeraj Chopra?

***Instructions*- To be done in A4 size coloured sheets or in a Scrap book. Use your creativity to make it look attractive**





SOCIAL STUDIES

BASED ON CH-3 CLIMATE OF INDIA)

PROJECT WORK

TOPIC: BATTLEFIELDS TO CLIMATE FIELDS: THE UNTOLD IMPACT*

1) ***COVER PAGE & INDEX***

Q. HOW CAN YOU DESIGN AN ATTRACTIVE COVER PAGE AND ORGANIZE YOUR PROJECT NEATLY WITH AN INDEX?

2) ACKNOWLEDGEMENT

Q. WHO SUPPORTED AND GUIDED YOU IN COMPLETING THIS PROJECT?

3) CERTIFICATE

Q. HOW WILL YOU CERTIFY THAT THIS PROJECT IS YOUR ORIGINAL WORK DONE UNDER GUIDANCE?

4) OBJECTIVES

Q. WHAT ARE THE MAIN AIMS OF DOING THIS PROJECT ON CLIMATE AND HUMAN ACTIVITIES?

5) INTRODUCTION

Q. CAN BATTLEFIELDS CHANGE THE CLIMATE?

HOW DO WARS AND MILITARY ACTIVITIES AFFECT AIR , WATER , AND SOIL ?

6) IMPACT OF WARS ON CLIMATE

Q. HOW DO WARS HARM THE ENVIRONMENT AND DISTURB THE CLIMATE SYSTEM?

(THINK ABOUT POLLUTION, DEFORESTATION , AND LAND DAMAGE)

7) CASE STUDY / EXAMPLE

Q. CAN YOU FIND A REAL-LIFE EXAMPLE WHERE WAR AFFECTED NATURE AND CLIMATE? WHAT HAPPENED THERE?

8) FINDINGS

Q. WHAT IMPORTANT FACTS AND LEARNINGS DID YOU DISCOVER DURING THIS PROJECT?

9) CONCLUSION

Q. WHAT FINAL MESSAGE CAN YOU GIVE ABOUT PROTECTING THE ENVIRONMENT AND CLIMATE?

10) BIBLIOGRAPHY

Q. WHICH BOOKS, WEBSITES, OR SOURCES DID YOU USE TO COLLECT INFORMATION?

BONUS TIP FOR EXTRA MARKS

ADD PICTURES , MAPS , CHARTS , AND DIAGRAMS TO MAKE YOUR PROJECT MORE ATTRACTIVE AND INFORMATIVE!



COMPUTER

Ques :

Draw a well labelled
diagram of the toolbox
used in Photoshop
(in computer copy only)

