



Sonopant Dandekar Shikshan Mandali's  
**SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND  
M.H. MEHTA SCIENCE COLLEGE, PALGHAR**

Palghar, Dist – Palghar, Pin – 401 404, E – Mail: sdscollege@yahoo.com

**Annual Report of Various Forums & Association**

**1. Name of the Committee:** Math Club Association

**2. Formation of the Committee:**

| Sr. No. | Name of the Teacher       | Department  | Designation in the Forum/Association |
|---------|---------------------------|-------------|--------------------------------------|
| 1.      | Prof. Dipali Mali         | Mathematics | Chairperson                          |
| 2.      | Prof. Shirin Memon        | Mathematics | Member                               |
| 3.      | Prof. Nidhi Mali          | Mathematics | Member                               |
| 4.      | Prof. Ishrat Gawandi      | Mathematics | Member                               |
| 5.      | Prof. Husnawaz Contractor | Mathematics | Member                               |

**3. About the Forum/ Association:**

The Math Club Association was established by Vishwanath Pune in 2018 to encourage the development of mathematics education to be more closely related to the needs of the learner. It is a professional association that focuses on mathematics accessible at the undergraduate and postgraduate level. The association aims at encouraging increased understanding and enjoyment of mathematics and also about how people learn mathematics.

**4. Objectives of Forum:**

- Develop problem solving skills and the ability to use mathematics in everyday life.
- Use mathematical language effectively and accurately.
- Understand mathematical concepts and processes at a level commensurate to their development and ability.
- Supporting the development and adoption of learning materials and teaching strategies that will enable learners to enjoy and discover mathematics.

- Enhancing public knowledge of and interest in mathematics and related areas through a variety of media platforms.

### **5. Expected Outcome:**

It is expected that the students will learn about the importance of mathematics in different aspects of life. They will get proper guidance about different careers in Mathematics. They will learn that mathematics can be related to the real world as well. The fun games will improve their capabilities to solve mathematical puzzles. It will enhance the creativity and innovation of students to portray the real world with respect to mathematics.

### **6. Forum Meetings (2 meetings) Exhibit -1**

### **7. Major Activities:**

# PROPOSAL



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(Amongst Top 100 Colleges in India by 'India Today - MDRA Survey 2019')

## PROPOSAL

Date: 25<sup>th</sup> August, 2022

**To,**  
The Principal,  
Dr. Kiran Save,  
Sonopant Dandekar Arts, V.S. Apte Commerce and  
M.H. Mehta Science College,  
Palghar.

**Subject: Proposal for Organizing 'Problem a Week' activity for UG and PG students.**

**Name of the Programme:** Problem a Week.

**Organizer:** Department of Mathematics.

**Proposed Day & Dates** – Monday, 12<sup>th</sup> September, 2022

### **Objectives –**

- To increase the interest of students in Mathematics.
- To give a boost to student's thinking ability.
- Promoting healthy competition.
- Promoting creativity and innovation.

**Coordinator of the Activity:** Prof. Ishrat Gawandi

*Dipali Mali*

Proposed By

**Mrs. Dipali Mali**

Head, Department of Mathematics.

*Ishrat Gawandi*  
*Kiran Save*  
*25/08/2022*

# NOTICE



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## NOTICE

**Date: 1<sup>st</sup> September, 2022**

This is to inform you that "Problem a Week" activity is organized for UG and PG students by the Department of Mathematics.

In this activity one question will be posted on the 'Problem a week' Telegram channel in the beginning of every week. The students will be given time till Friday of every week to solve that question and post their responses in Google classroom. The very first student who will submit the correct solution will be declared as the winner of that week.

This activity will start from Monday, 12<sup>th</sup> September, 2022. We strongly encourage you to participate in this activity.

For more details kindly contact Prof. Ishrat Gawandi.

**Mrs. Dipali Mali**  
Head of the Department

**Dr. Kiran Save**  
Principal

## **PROGRAMME SCHEDULE**

In this activity one question is posted on our 'Problem a week' Telegram channel at the beginning of every week. And students are given time till Friday of every week to solve that question. The students are said to post their responses in Google classroom. The very first student who submits the correct solution is declared as the winner of that week. All UG and PG level students are eligible to participate in this activity.

## ATTENDANCE REPORT ALONG WITH SIGNATURE OF THE STUDENTS

The screenshot shows a WhatsApp group chat interface. At the top, there is a back arrow, a profile picture with initials 'PR', the group name 'Problem a Week', and a search icon. Below this, it says '385 members, 3 online'. There are three tabs: 'Members' (selected), 'Media', and 'Links'. The members list includes:

- Aman Jha**: last seen recently
- Shreya Churi**: last seen within a month
- Hariom Yadav**: last seen within a month
- Hardik**: last seen a long time ago
- Sanju**: last seen a long time ago (profile picture has a heart emoji)
- Shital Chaukekar**: last seen a long time ago
- Khushi**: has no access to messages
- Tejashri Joshi**: last seen a long time ago
- Chaudhary Rokaiyya**: last seen within a month
- Hardikraut**: last seen a long time ago (profile picture has a paw print emoji)



## Problem a Week

385 members, 3 online



Members

Media

Links



**Disha Jain**

last seen within a week



**Mrugaja Patil**

last seen within a month



**Nisha Yadav**

last seen a long time ago



**Hardik Dandekar**

last seen a long time ago



**Deleted Account**

last seen a long time ago



**Prasad Vaze**

last seen within a month



**Janhavi Thakur**

last seen a long time ago



**Bhavika Sutar**

last seen a long time ago



**Laxmi Patwa**

last seen a long time ago



**Bhumika Raut**

last seen within a month



**Nandani yadav**



# Problem a Week

385 members, 3 online



Members

Media

Links



**Sayema Malek**

last seen recently



**Harshdeep Rawate**

last seen within a month



**Yash Mhaskar**

last seen recently



**M S**

last seen a long time ago



**Karan Jaiswar**

last seen recently



**KAVYA THAKUR**

last seen recently



**Pallavi Jadhav**

last seen a long time ago



**Trupti Kini**

last seen within a month



**Sneha Gupta**

last seen within a week



**Deleted Account**

last seen a long time ago



**Wahid**





# Problem a Week

385 members, 3 online



Members

Media

Links



**Aditi Khulat**

last seen recently



**Rooney** ⚠️

last seen within a month



**Atiksha Shelar**

last seen recently



**Unnat Vekhande**

last seen within a month



**Shrunji Patil**

last seen a long time ago



**Monika Tare**

last seen within a month



**Vidhiti Deo**

last seen a long time ago



**Deleted Account**

last seen a long time ago



**Aakash Kahar**

last seen recently



**Akanksha Mate**

last seen within a month



**Rutuja Satvi**



# Problem a Week

385 members, 3 online



Members

Media

Links



**AAGRI BOY**

last seen recently



**Laban**

last seen a long time ago



**Sumeet Kuntal**

last seen within a week



**Akash Bhavsar**

last seen recently



**Vrushabh Thalekar**

last seen a long time ago



**Prachiti More**

last seen a long time ago



**Nrutika Thakur**

last seen a long time ago



**Anjani Mundhra**

last seen a long time ago



**Kaushik Shinde**

last seen a long time ago



**Deleted Account**

last seen a long time ago



**Ankita Singh**



# Problem a Week

385 members, 3 online



Members

Media

Links



**Payal**

last seen recently



**Jyoti Barat**

last seen a long time ago



**Shreya Patil**

last seen a long time ago



Mr. JAYU

last seen a long time ago



**Sapna Gupta**

last seen a long time ago



**Sujal Mestri**

last seen recently



**vinit patil**

last seen within a week



**VIDHI JADHAV**

last seen within a month



**Sonali Varatha**

last seen recently



**Dhruv Mhatre**

last seen recently



**Mehek shaikh** ❤️

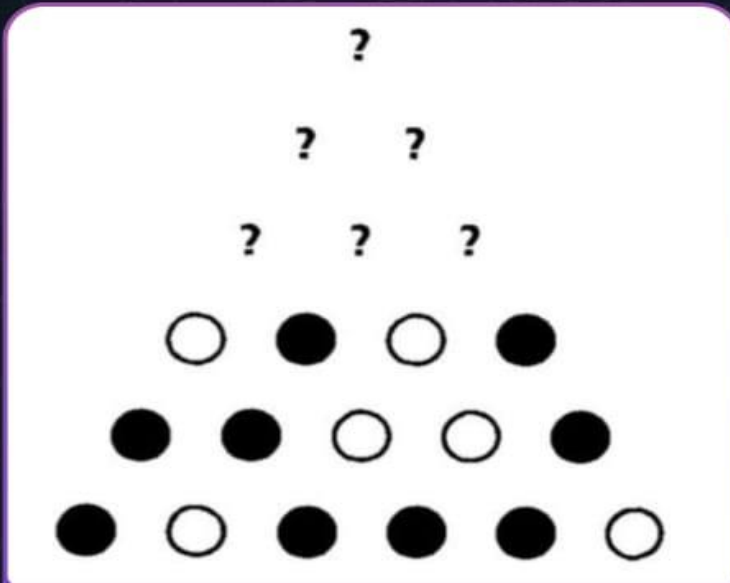


# Problem a Week

384 members



Arpita Patil joined the group via invite link



1st week  
Problem No. 1

8:12 AM ✓

Join Google classroom for uploading the solution for the problem a week:  
<https://classroom.google.com/c/NDk4NTg5MjA4NTUx?cjc=x5mymkl>

1 8:13 AM ✓

Ishrat Gawandi

Join Google classroom for uploading the...  
If you want to upload the solution then join the classroom

8:13 AM ✓

Shubham Kharpade joined the group via invite



Message





PR

# Problem a Week

384 members



Harshdeep Rawat joined the group via invite link

|    |   |   |   |    |   |   |   |    |    |   |
|----|---|---|---|----|---|---|---|----|----|---|
| 3  | + |   | = | 14 |   | 5 | + | 10 | =  |   |
|    |   |   | + |    |   |   | + |    |    | × |
| 1  |   |   |   | ×  | 2 | = |   |    |    |   |
| =  |   |   | = |    |   |   | = |    | =  |   |
|    | × | 4 | = |    |   | × |   | =  | 45 |   |
|    |   |   | × |    |   |   |   | -  |    |   |
|    |   |   | = |    |   |   |   | 3  |    |   |
|    |   |   |   |    |   |   |   | =  |    |   |
| 3  | × |   | = | 12 |   | 6 | ÷ |    | =  |   |
|    | + |   |   | -  |   |   | + |    |    | × |
| 17 |   |   |   | 8  | + |   | = |    |    | 5 |
| =  |   |   | = |    |   |   | = |    | =  |   |
|    | ÷ |   | = |    |   | × |   | =  | 15 |   |

2nd week  
Problem Number: 2

25

11:50 AM ✓

Upload the answer with proper explanation in Google classroom

21

11:54 AM ✓

Join Google classroom for uploading the solution for the problem a week:  
<https://classroom.google.com/c/NDk4NTg5MjA4NTUx?cjc=x5mymkl>

11:56 AM ✓

Sayema Malek joined the group via invite link



Message





PR

## Problem a Week

384 members



Sriya Shantik joined the group via invite link

December 3



Hariom Yadav

Okay 6:44 PM

December 5

If 'A' denotes '+', 'B' denotes 'x', 'C' denotes '=', 'D' denotes '-' and '=' denotes 'greater than', then which of the following statement is true?

i)  $4 A 8 C 2 D 1 B 6 = 1$ .

ii)  $3 D 1 B 8 A 6 C 2 = 0$

iii)  $8 C 2 D 3 B 4 A 6 = 2$

iv)  $9 A 2 B 6 D 4 C 2 = 21$ .

6th week

Problem Number: 06

9:17 AM ✓✓

Upload the answer with proper explanation in Google classroom

9:18 AM ✓✓

SC

Shreya Churi

Done 10:42 AM

December 6

Some students have submitted their projects in problem a week classroom



Message





PR

## Problem a Week

384 members



Question: If in a certain code language, MANGO is coded as 31-1- 41-7-51, then how will LEAF be coded in that language?

- (A) 21-10-8-9
- (B) 21-10-9-8
- (C) 21-5-6-1
- (D) 21-5-1-6

7th week

Problem number: 07

6:52 AM ✓✓

Upload the answer with proper explanation in Google classroom

6:52 AM ✓✓

Aman Jha added Deleted Account

December 19

If 'A  $\Delta$  B' means 'A is the brother of B', 'A # B' means 'A is the father of B' and 'A  $\times$  B' means 'A is the mother of B'. Then, which of the following means 'R is the son of M'?

- (A) M  $\Delta$  R # S
- (B) M # S  $\times$  R
- (C) M # S # R
- (D) M  $\times$  R # S

8th week

Problem Number: 08

7:25 A



Upload the answer with proper



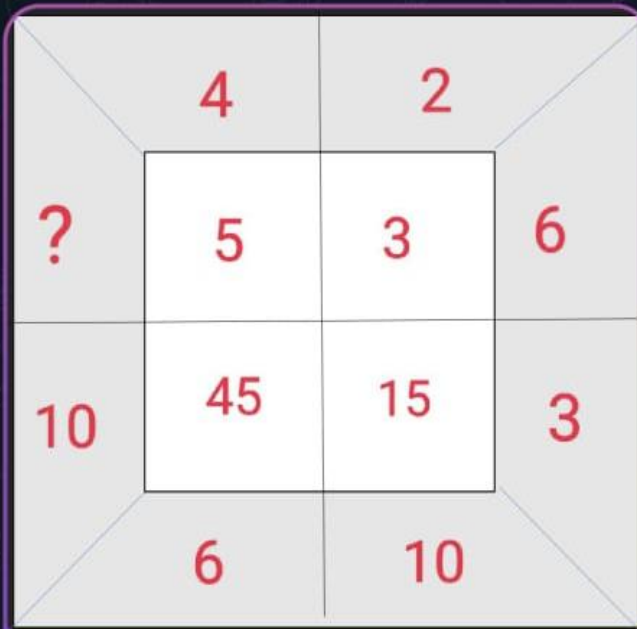
Message





# Problem a Week

384 members



Find the missing number in the image.

Options:

(A) 5

(B) 6

(C) 8

(D) 12

← 1 9:12 AM ✓



Ishrat Gawandi

Find the missing number in the im...

10th week

Problem no.: 10

9:13 AM ✓

Upload the answer with proper explanation in Google classroom

9:13 AM ✓

January 9

This question is based on the six numbers



Message







# Problem a Week

384 members



Explanation in Google classroom

9:37 AM ✓✓

January 16

Choose the correct option that will continue the same pattern and replace the question mark in the given series.

3, 12, 27, 48, 75, 108, ?

- (A) 147
- (B) 162
- (C) 183
- (D) 192

12th week

Problem no.: 12

7:19 AM ✓✓

Upload the answer with proper explanation in Google classroom

7:19 AM ✓✓

Please respond to the given problem

7:20 AM ✓✓

Try to find the solution of every week's question



7:21 AM ✓✓

January 30

If it is possible to make only one meaningful



Message



## NOTICE



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NOTICE

**NOTICE**

Date: 01/09/2022

A meeting of all the Teaching Staff of the Department of Mathematics is scheduled to be held on 2<sup>nd</sup> September, 2022 at 12:00 noon to discuss about the problem a week activity to be held in Teacher's Staffroom.

All Teachers are requested to attend the meeting.

**Mrs. Dipali Mali**

Head of the Department

## **Department of Mathematics**

### **Minutes of meetings 2022-23**

Minutes of the Departmental Meeting held at the Teacher's Staff Room on 2<sup>nd</sup> September, 2022.

#### **Member's Present:**

1. Dipali Mali
2. Shirin Hadiya
3. Nidhi Mali
4. Ishrat Gawandi
5. Husnawaz Contractor

The meeting began at 12:00 noon. The HOD detailed the objectives of the meeting.

#### **Agenda:**

1. Discussing the topics to be included in Problem a week.
2. Deciding the date of commencement of the activity.

#### **Action Taken:**

1. Decided the topics.
2. Decided the date as 12<sup>th</sup> September, 2022



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**NOTICE**

**Date: 05/09/2022**

A meeting of all the Teaching Staff of the Department of Mathematics is scheduled to be held on 6<sup>th</sup> September, 2022 at 12:45 pm to discuss about the problem a week activity to be held in Room No. 5.

All Teachers are requested to attend the meeting.

**Mrs. Dipali Mali**

Head of the Department

## **Department of Mathematics**

### **Minutes of meetings 2022-23**

Minutes of the Departmental Meeting held at Room No 5 on 6<sup>th</sup> September, 2022.

#### **Member's Present:**

1. Prof. Mahesh Deshmukh
2. Prof. Dipali Mali
3. Prof. Shirin Hadiya
4. Prof. Nidhi Mali
5. Ishrat Gawandi
6. Husnawaz Contractor

The meeting began at 1.00 p.m. The HOD detailed the objectives of the meeting.

#### **Agenda:**

1. Deciding the program schedule of the activity.
2. Creating Google classrooms and Telegram channel.
3. Circulating the notice in all classrooms.

#### **Action Taken:**

1. Decided the program schedule.
2. Created Google classrooms and Telegram channel.
3. Circulated the notice regarding Problem a Week activity and asked them to join Google classrooms and Telegram channel.

## **EVENT REPORT**

**Name of the Event** – Problem a Week

**Date** – 12<sup>th</sup> September, 2022

**No. of Students Participated** – 385

**Brief description about the Event** –

‘Problem a week’ is an extracurricular activity organized by the Department of Mathematics. It was started on 12<sup>th</sup> September 2022. This activity was started for the students of our college to increase their interest in mathematics and to give a boost to their thinking ability. In this activity one question is posted on our ‘Problem a week’ Telegram channel at the beginning of every week. And students are given time till Friday of every week to solve that question. The students are said to post their responses in Google classroom. The very first student who submits the correct solution is declared as the winner of that week. All UG and PG level students are eligible to participate in this activity. Student’s response is great towards this activity. Till now 385 students have participated from our college in this activity. The questions are based on aptitude and logical reasoning and are selected from previous papers of different competitive exams. Till now we have posted 20 questions for 20 weeks.

**Event Objectives** –

1. To increase the interest of students in Mathematics.
2. To give a boost to a student's thinking ability.
3. Promoting healthy competition.
4. Promoting creativity and innovation.

**Outcome** –

The students are now able to solve complex mathematical problems with ease in a short time in the competitive exams.