



**IBPS | BANK | LIC AAO 2023**

**MAINS  
MAGIC**

**EPISODE - 08**



**LIVE 11:30 AM**

**SHUBHAM MAHENDRAS**



# UPCOMING ONLINE BATCHES

## February 2023

**08 FEB 2023**

**03:00 PM to 05:00 PM**

**SSC ONLINE LIVE CLASS**

**BILINGUAL**

**15 FEB 2023**

**10:30 AM to 12:30 PM**

**BANK ONLINE LIVE CLASS**

**BILINGUAL**

**15 FEB 2023**

**06:30 PM to 08:30 PM**

**BANK ONLINE LIVE CLASS**

**English & Bengali**



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# Real Champs-



Aalap 6 days ago

Helpful session 🙌 Thank You sir 🙏

👍 2 🗨️ Reply

▼ 1 reply



Riya Mandaokar 6 days ago

Thank you so much sir for the amazing and informative session 😊 aap mains k que ko itna easy bana dete ho thank you sir 🙌

Ans is

1.18

2.208

3. 5:10:2

Show less

👍 1 🗨️ Reply

▼ 1 reply



harsh sharma 6 days ago

Today's homework answer is (1)-18

(2)-not 358

(3)-5:10:2

Thank you sir wonderful sessions 🙌 aap bhout achha padhate ho sir bhout Jada usefull sessions h sir ye thank u so much sir 🙌 wonderful sessions 🙌🙌🙌

# Real Champs-



**Kajal Singhal** 5 days ago

Home work ans

- 1) 18
- 2) 204
- 3) 5:10:2

Sir aapka. Aaj ka session hmare liye bhut helpful tha mza aa gya que krke thank u so much sir hm sb ke liye itne achhe que lane ke liye or sikhane ke liye thank you so much 🥰🥰🥰🥰🥰🥰🥰🥰

Show less

👍 1 🗨️ Reply

▼ 1 reply



**Surbhi Sinha** 6 days ago

Thank you sir 👍 homework question answer 👍 18, 208, 5.10,2. ,,60 bahut badhiya session sir 👍 new sikhne ko milla improve hua hai sir bahut maths m topic bhi saare interesting lgta h because of you sir 👍

👍 1 🗨️ Reply

▼ 1 reply



**Tanisha p** 6 days ago

Thank u so much sir es session se mains ke question solve karne ki himat aa gari hai 🙏🙏🙏

HW. 1-18

2- not

3- 5:10 :2

4-60



# Real Champs-



Amanvi (Sadhvi) 6 days ago

Thanks alot sir fir this session 😊 😊

H.W. 1- 18, 2-204, 3-5:10:2

Aise hi sir hmare liye new new questions late rhe or hoshiyar bnate rhe 😊 😊 😊

👍 1 🗨️ Reply

▼ 1 reply



monika kumari 6 days ago

1) 18

2) 204

3) 5:10:2

4)60 😞 😞

Thank you sir 🙏

Very nice session 🙌 🙌 🙌 🙌 🙌 🙌

Sir app ka har session hota he itna acha kyuki aap padatey he acha ho 🙌 🙌 🙌 🙌

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👍 1 🗨️ Reply

▼ 1 reply



Nitu Maurya 6 days ago (edited)

Hw ans 18. ,204, 5: 10:2 , 102..

Session bhut acha tha sir .. thanku so much 🙏

Given two quadratic equations,

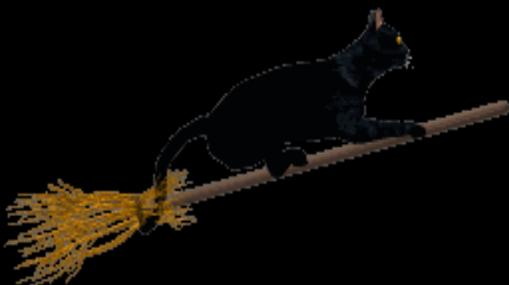
I.  $x^2 - 31x + 240 = 0$

Equation I has two roots  $x_1, x_2$ . ( $x_1 > x_2$ )

II.  $3y^2 - 7y - 3 = 8y - 3y^2 - 9$

Equation II has two roots  $y_1, y_2$ . ( $y_2 > y_1$ )

Find the equation whose roots are  $(-2y_1 + x_1), -(y_2 - x_2)$ .



1.  $x^2 - 28x - 195 = 0$
2.  $x^2 - 28x + 195 = 0$
3.  $x^2 + 28x - 195 = 0$
4.  $x^2 + 28x + 195 = 0$
5. CND





The average weight of a class of 50 students is 80 kg. If two of the students with weight 40% & 50% of 'x' leave the class & two new students with weight 'x' & 'x - 10' join the class, then the average weight of the class is increased by 2 kg. Find the value of 'x'?



1. 80
2. 100
3. 90
4. 120
5. 110





**A car and a bike start from a point at the same time and reach another point 90 km away at the same time, if the car was running \_\_\_% faster than the bike and took a halt for \_\_\_ minutes, while the bike was running at a speed of 60 km/hr.**

**Which of the following options satisfies the two blanks in the question?**

**A. 20, 15**

**B. 25, 20**

**C. 50, 25**

**D. 80, 30**



1. Only A

2. Only B

3. Only C

4. Only D

.. Both A and C



A series is 224, 124, 268, 72, 328, 4

If another series is 644, \_\_\_\_\_, (y), \_\_\_\_\_, (z), \_\_\_\_\_, (x),

which follows the same pattern as the series given above, then which of the following statement(s) is/are correct?

I. Sum of the first three-term of the series is  $(x + y + z) + 416$

II. Sum of the second, fourth, and sixth term is 1460

III.  $(x) + y = 516 - z$

1. Only I
2. Only II
3. Only III
4. Only I and II
5. All I, II, and III





In a class there are ----- boys and 24 girls. In an examination average marks of boys are 45 and average marks of girls are ----- . Average marks of the whole class are-----.

Find which of the following values satisfy the blank?

1. 15, 50, 30.32

2. 20, 40, 42.27

3. 32, 55, 47.25



1. only 1

2. only 2

3. only 2 and 3

4. only 1 and 2

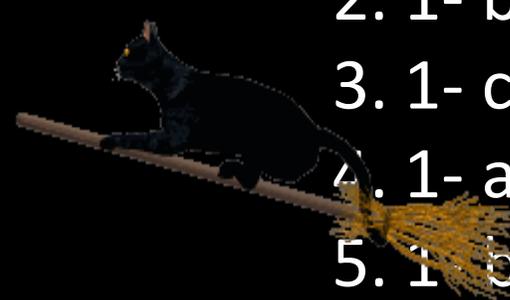
5. only 3





**Directions: Answer the questions based on the information given below.**

**In the given table there are two columns I and II. Column I contains three equations and column II contains the roots of the equation given in column I, not necessarily in the same order. Study the given table carefully and answer the questions accordingly.**



1. 1- a, 2- c, 3- b
2. 1- b, 2- c, 3- a
3. 1- c, 2- a, 3- b
4. 1- a, 2- b, 3- c
5. 1- b, 2- a, 3- c

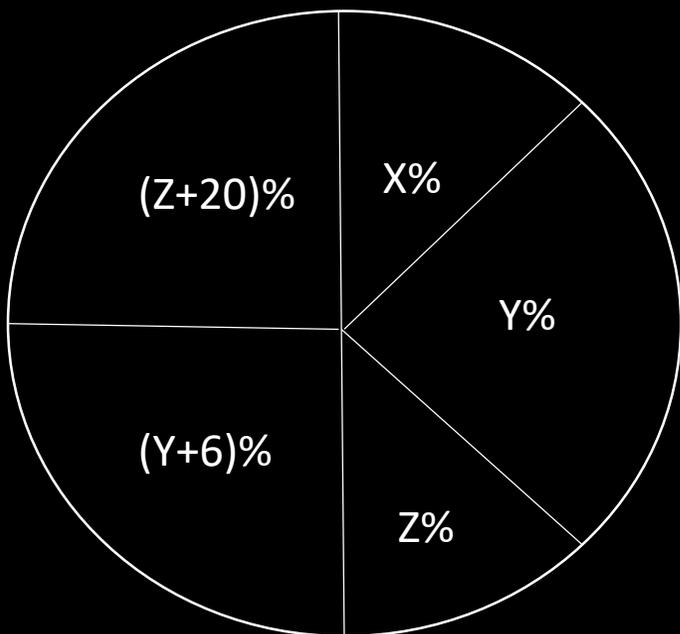
Column I	Column II
1. $x^2 - 2x - 48 = 0$	a. -6, 8
2. $y^2 - 4y - 252 = 0$	b. 18, -14
3. $z^2 - 5z - 104 = 0$	c. 13, -8



**Directions: Answer the question based on the information given below:**

**Given pie chart shows the percentage of employees from five different departments of a company, who are going on an office trip. The total number of employees, who are going on office trip from the HR department is  $\frac{1}{3}$ rd of the total employees in the HR department. Ratio of the number of employees, who are going to trip and who are not going to trip from the operations department is 3: 4 respectively. The total number of employees, who went to office trip is 100.**

**Percentage ( who are going on office trip)**



Departments	Number of employees who are not going on office trip out of total employees in the department
HR	32
Operations	24
Marketing	2y
Sales	2z
Management	$x + y + z$

Find the total number of employees in all five departments together in the company?



Department	Employees going on trip	Employees not going on trip	Total number of employees		
HR	16	32	48		
Operations	18	24	42		
Marketing	11	$2y = 36$	47		
Sales	24	$2z = 22$	46		
Management	31	$x + y + z = 45$	76		



1.  $(x)^2 + 3$
2.  $(y)^2 - 42 - 1$
3.  $(z)^2 + 7.5x + y - 1$
4. Only I and II
5. All I, II, and III