

**SBI CLERK & PO | IBPS PO | NIACL AO | LIC AAO 2022**



**MATHS**



# RATIO AND PROPORTION

**03 CONCEPT जो MATHS को  
कर देंगे बिल्कुल आसान**



**LIVE | 11:30 AM**

**By Shubham Mahendras**



# UPCOMING ONLINE BATCHES

## September 2022

**07 SEP 2022**

**01:00 PM to 03:00 PM**

**BANK ONLINE LIVE CLASS**

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

**SSC ONLINE LIVE CLASS**

**BILINGUAL**

**14 SEP 2022**

**08:00 AM to 10:00 AM**

**BANK ONLINE LIVE CLASS**

**05:30 PM to 07:30 PM**

**SSC ONLINE LIVE CLASS**

**BILINGUAL**

**21 SEP 2022**

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

**BANK ONLINE LIVE CLASS**

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

**SSC ONLINE LIVE CLASS**

**BILINGUAL**

**28 SEP 2022**

**07:30 PM to 09:30 PM**

**BANK ONLINE LIVE CLASS**

**08:00 AM to 10:00 AM**

**SSC ONLINE LIVE CLASS**

**BILINGUAL**

**14 SEP 2022**

**11:30 AM to 01:30 PM**

**BANK ONLINE LIVE CLASS**

**BENGALI+ENGLISH**

**28 SEP 2022**

**04:00 PM to 06:00 PM**

**BANK ONLINE LIVE CLASS**

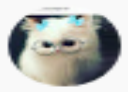
**BENGALI+ENGLISH**



[www.mahendras.org](http://www.mahendras.org)



7052477777/7052577777



Twinklr Gupta 13 hours ago

And. Sir m aapki late dekhti hu..qki housewife hu toh..mrng m time nhi mil pata.. but fir v muze aapki class m bht mza aata h qki maths smz aati h..thank you sir 🙏



Twinklr Gupta 13 hours ago

Thank you maths guru for the wonderful session.. and to make our life easy..qki is maths ne bht tention diya hua tha..but thank you sir.. aapke session se umeed h Puri..ki aapka session agr hm ache se kr le toh sare exams clear ho jane h



Diksha Shukla 22 hours ago

sir u increase our self confidence in the class.  
the answer is 6 hrs  
thank you so much sir for ur time and teaching it really is a blessing for all of us. 🙏



Rimpa Das 21 hours ago

6 hours.

👍 1 🗨️ REPLY

▼ 🚫 • 1 REPLY



Monika Kumari 22 hours ago

6 hours

👍 1 🗨️ REPLY

▼ 🚫 • 1 REPLY



Kajal Singhal 15 hours ago

6 hrs



Mohit.. 19 hours ago

Thank-you Sir for today's Amazing Class.. 🙏👑

And

My Answer for today's Homework is-

Option B == 6 hrs.

Usual speed =750 kmph.

100

Thank-you So Much, Sir Ji.. 🙏👑



Priya Gupta 9 minutes ago

Homework ans - 6 hours

Amazing session sir



Muskan Rai 22 hours ago

thanku sir for wonderfull session this is my second class and i love it...thank u for ur guidance .....  
answer -6hours  
please do some class for ratio and proportion and percentage 😊



Sakshi Juneja 21 hours ago

thanku so much sir ette aache session k liye apke tricks use krke ab confidence aara .  
answer for the hw ques is 6 hours

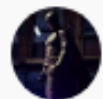


Tanisha p 12 hours ago

Thank you sir 🙏  
nice session 🙏👍  
HW----- 6hr

👍 1 🗨️ REPLY

▼ 🚫 • 1 REPLY



ÄTÜL\_VËRMÄ 11 hours ago

6 hrs..... 🙏🙏



Yashi Kasera 16 hours ago

6hours hoga answer  
Thank sir for the amazing session 😊

👍 1 🗨️ REPLY

▼ 🚫 • 1 REPLY



Niharika Jha 22 hours ago

Thank you for the session sir 🙏  
Homework answer: 6 hours



Priya Gupta 9 minutes ago

Homework ans - 6 hours  
Amazing session sir



ANJALI SHUKLA 13 hours ago

Shubham sir hai to sambhav hai... 🙌



If two bags A and B contain balls in the ratio 2:3. If 40 balls taken out from bag B and add in bag A then the ratio of both bags will become 12:13. Then find total number of balls?

यदि दो बैग A और B में गेंदें 2: 3 के अनुपात में हैं। यदि बैग B से 40 गेंदें निकाली जाती हैं और बैग A में मिला दी जाती हैं तो दोनों बैगों का अनुपात 12:13 हो जाएगा। तो गेंदों की कुल संख्या ज्ञात कीजिये?

- A.300
- B.400
- C.500
- D.600
- E.NOT



If two bags A and B contain balls in the ratio 2:3. If 40 balls taken out from bag B and add in bag A then the ratio of both bags will become 12:13. Then find total number of balls?

- A.300
- B.400
- C.500
- D.600
- E.NOT



In a class the ratio of boys and girls are in the ratio 7:10. If 80 boys and 80 girls leave the class then ratio becomes 6:11. now Find the new number of student?



एक कक्षा में लड़कों और लड़कियों का अनुपात 7:10 है। यदि 80 लड़के और 80 लड़कियां कक्षा छोड़ देते हैं तो अनुपात 6:11 हो जाता है। अब विद्यार्थी की नई संख्या ज्ञात कीजिये?



- A.400
- B.240
- C.320
- D.550
- E.NOT



In a class the ratio of boys and girls are in the ratio 7:10. If 80 boys and 80 girls leave the class then ratio becomes 6:11. now Find the new number of student?

A.400

B.240

C.320

D.550

E.NOT







In a class the ratio of boys and girls are in the ratio 2:5. If 40 boys and 190 girls leave the class then ratio will become 1:2. Find the number of girls?

एक कक्षा में लड़कों और लड़कियों का अनुपात 2:5 है। यदि 40 लड़के और 190 लड़कियां कक्षा छोड़ देते हैं तो अनुपात 1: 2 हो जाएगा। लड़कियों की संख्या ज्ञात कीजिये?



1. 220

2. 330

3. 440

4. 550

5. NOT



In a class the ratio of boys and girls are in the ratio 2:5. If 40 boys and 190 girls leave the class then ratio will become 1:2. Find the number of girls?

1. 220

2. 330

3. 440

4. 550

5. NOT





A container contains milk and water in the ratio 3:4. If we added 17 liter water then the ratio becomes 5:7. Find the initial quantity of milk?

एक बर्तन में दूध और पानी का अनुपात 3:4 है। यदि हम 17 लीटर पानी मिला दें तो अनुपात 5:7 हो जाता है। दूध की प्रारंभिक मात्रा ज्ञात कीजिये?



1. 75

2. 255

3. 595

4. 210

5. NOT



**A container contains milk and water in the ratio 3:4. If we added 17 liter water then the ratio becomes 5:7. Find the initial quantity of milk?**

1. 75

2. 255

3. 595

4. 210

5. NOT



If some amount was divide among A and B in the ratio 4:5 but mistakenly is will divide in the ratio 2:1. Therefore, A gets 140rs more. Then find total amount?



यदि कुछ राशि को A और B के बीच 4: 5 के अनुपात में विभाजित किया गया था, लेकिन गलती से 2: 1 के अनुपात में विभाजित किया जाएगा। इसलिए, A को 140 rs अधिक मिलते हैं। तो कुल राशि ज्ञात कीजिये?



A.560

B.630

C.320

D.540

E.NOT



If some amount was divide among A and B in the ratio 4:5 but mistakenly is will divide in the ratio 2:1. Therefore, A gets 140rs more. Then find total amount?



A.560

B.630

C.320

D.540

E.NOT





In a container the ratio of milk and water are in the ratio 3:10. if 35 liter milk and 35 liter water is added then the ratio of milk and water will become 2:5 then find the initially quantity of mixture?

एक कंटेनर में दूध और पानी का अनुपात 3:10 के अनुपात में है। यदि 35 लीटर दूध और 35 लीटर पानी मिलाया जाता है तो दूध और पानी का अनुपात 2: 5 हो जाएगा, तो मिश्रण की प्रारंभिक मात्रा ज्ञात कीजिये?



A.262

B.252

C.273

D.233

E.NOT



In a container the ratio of milk and water are in the ratio 3:10. if 35 liter milk and 35 liter water is added then the ratio of milk and water will become 2:5 then find the initially quantity of mixture?

A.262

B.252

C.273

D.233

E.NOT







If the income of A and B are in the ratio 3:2 and their expenditure are in the ratio 6:5. if they save 3000rs and 1500rs respectively then find the income of B?

यदि A और B की आय 3:2 के अनुपात में है और उनका व्यय 6:5 के अनुपात में है। यदि वे क्रमशः 3000 और 1500 रुपये बचाते हैं तो B की आय ज्ञात कीजिए?



- A. 6000
- B. 10000
- C. 4000
- D. 2000
- E. NOT



If the income of A and B are in the ratio 3:2 and their expenditure are in the ratio 6:5. if they save 3000rs and 1500rs respectively then find the income of B?

- A. 6000
- B. 10000
- C. 4000
- D. 2000
- E. NOT





If some amount had divided among A, B and C in the ratio 2:3:4 but mistakenly it divided in the ratio 7:2:5. Therefore, B losses 400rs. Then find total amount?

यदि कुछ राशि को A, B और C के बीच 2: 3: 4 के अनुपात में विभाजित किया गया था, लेकिन गलती से इसे 7: 2: 5 के अनुपात में विभाजित किया गया था। इसलिए, B 400rs का नुकसान करता है। तो कुल राशि ज्ञात कीजिये?



- A.210
- B.420
- C.350
- D.400
- E.NOT



If some amount had divided among A, B and C in the ratio 2:3:4 but mistakenly it divided in the ratio 7:2:5. Therefore, B losses 400rs. Then find total amount?

A.210

B.420

C.350

D.400

E.NOT





A shopkeeper gets 10% profit but if he reduces its cost price by 27 and selling price by 27 rupees then profit will be 15%. Calculate cost price?

एक दुकानदार को 10% लाभ प्राप्त होता है लेकिन यदि वह इसके क्रय मूल्य को 27 रुपये कम कर देता है और बिक्री मूल्य 27 रुपये कम कर देता है तो लाभ 15% होगा। लागत मूल्य की गणना करें?



A.27

B.54

C.81

D.120

E.NOT

A shopkeeper gets 10% profit but if he reduces its cost price by 27 and selling price by 27 rupees then profit will be 15%. Calculate cost price?



A.27

B.54

C.81

D.120

E.NOT





Two equal container contain mixture of milk and water are in the ratio 5:2 and 7:6 respectively. If we mixed both mixture then find the ratio of milk and water?

दो बराबर कंटेनर में दूध और पानी का मिश्रण क्रमशः 5:2 और 7:6 के अनुपात में है। यदि हम दोनों मिश्रण को मिला दें तो दूध और पानी का अनुपात ज्ञात कीजिए?



- A.3:1
- B.57:34
- C.32:17
- D.12:7
- E.NOT



Two equal container contain mixture of milk and water are in the ratio 5:2 and 7:6 respectively. If we mixed both mixture then find the ratio of milk and water?



- A.3:1
- B.57:34
- C.32:17
- D.12:7
- E.NOT







Fresh fruit contains 68% water and Dry fruit contains 20% water. How many kg of dry fruit can be made from 200 kg fresh fruit?

ताजे फल में 68% पानी होता है और सूखे मेवों में 20% पानी होता है। 200 किलो ताजे फल से कितने किलो सूखे मेवे बनाए जा सकते हैं?



- A.100kg
- B.80kg
- C.120kg
- D.240kg
- E.NOT



**Fresh fruit contains 68% water and Dry fruit contains 20% water.  
How many kg of dry fruit can be made from 200 kg fresh fruit?**

- A.100kg
- B.80kg
- C.120kg
- D.240kg
- E.NOT





A shopkeeper gets 25% profit but if he reduces its cost price by 20 rupees and selling price by 17.5 rupees then profit will be 40%. Calculate cost price?

एक दुकानदार को 25% लाभ प्राप्त होता है लेकिन यदि वह इसके क्रय मूल्य में 20 रुपये की कमी करता है और बिक्री मूल्य में कमी 17.5 रुपये है तो लाभ 40% होगा। लागत मूल्य की गणना करें?



- A.80
- B.100
- C.70
- D.40
- E.NOT



**A shopkeeper gets 25% profit but if he reduces its cost price by 20 rupees and selling price by 17.5 rupees then profit will be 40%. Calculate cost price?**

- A.80
- B.100
- C.70
- D.40
- E.NOT





If the ratio between pass and fail students 5:7. If 52 students failed less then passed and fail ratio will become 4:3. Find total number of students?

यदि उत्तीर्ण और अनुत्तीर्ण छात्रों के बीच का अनुपात 5: 7 है। यदि 52 विद्यार्थी कम अनुत्तीर्ण होते हैं तो उत्तीर्ण और अनुत्तीर्ण अनुपात 4:3 हो जाएगा। विद्यार्थियों की कुल संख्या ज्ञात कीजिये?



- A.330
- B.334
- C.336
- D.230
- E.NOT



If the ratio between pass and fail students 5:7. If 52 students failed less then passed and fail ratio will become 4:3. Find total number of students?

A.330

B.334

C.336

D.230

E.NOT





How many job applicants had applied if the ratio of selected to unselected was 19:17. If 1200 less had applied and 800 less selected, then the ratio of selected to unselected would have been 1:1 ?

कितने नौकरी आवेदकों ने आवेदन किया था यदि चयनित और अचयनित का अनुपात 19:17 था। यदि 1200 कम ने आवेदन किया होता और 800 कम चयनित होता, तो चयनित से अचयनित का अनुपात 1:1 होता?



- A. 6000
- B. 7200
- C. 8400
- D. 4800
- E. NOT



How many job applicants had applied if the ratio of selected to unselected was 19:17. If 1200 less had applied and 800 less selected, then the ratio of selected to unselected would have been 1:1 ?

- A. 6000
- B. 7200
- C. 8400
- D. 4800
- E. NOT







Ratio of Land : water on earth is 1:2 and ratio of land : water in northern hemisphere is 2:3. Find the ratio of Land : Water in southern hemisphere?

पृथ्वी पर भूमि और जल का अनुपात 1: 2 है और उत्तरी गोलार्ध में भूमि: पानी का अनुपात 2: 3 है। दक्षिणी गोलार्ध में भूमि और जल का अनुपात ज्ञात कीजिये?



A.3:11

B.4:11

C.1:2

D.1:1

E.NOT



Ratio of Land : water on earth is 1:2 and ratio of land : water in northern hemisphere is 2:3. Find the ratio of Land : Water in southern hemisphere?

A.3:11

B.4:11

C.1:2

D.1:1

E.NOT





If an examination, the number of those who passed and the number of those who failed were in the ratio 4:1. If 35 less had appeared and the number of failures were 9 more than earlier, the ratio of students who passed to the number of students who failed would have been 2:1. Find the total number who appeared at the examination?

यदि एक परीक्षा में उत्तीर्ण होने वालों की संख्या और अनुत्तीर्ण होने वालों की संख्या 4:1 के अनुपात में थी। यदि 35 कम उपस्थित हुए होते और अनुत्तीर्ण होने वालों की संख्या पहले की तुलना में 9 अधिक होती, तो उत्तीर्ण होने वाले छात्रों का अनुत्तीर्ण होने वाले छात्रों की संख्या का अनुपात 2:1 होता। परीक्षा में उपस्थित होने वालों की कुल संख्या ज्ञात कीजिए?

A.135

B.155

C.165

D.205

E.NOT