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# IBPS CLERK/PO 2021

**LIVE**



**MATHS**

**9:00 AM**



**LIVE  
MOCK  
DISCUSSION**



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# IBPS RRB PO MAINS 2021

Maths | Reasoning | English | GA | Hindi | Computer

**महा मैराथन**  
**12 घंटे लगातार**

19 सितंबर

LIVE

सुबह 8:00 बजे



S

Simpal Kumari 9 hours ago

Homework ans today's

 $7 \times 9 : 8 \times 12 = 21 : 32$  $11 / 53 \times 34450 = 7150$ 

Thank u so much sr 🙏🙏🙏

Read more

  REPLY

Sarita 17 hours ago

Homework answer

Option (D) 7150

Today very awesome session sir 🙌👍👍

Thanku so much sir ❤️🙏🙏😊👍👍❤️

  REPLY

View reply from Mahendras : Online



Debi Dutta 10 hours ago

Nice session... homework answer 7150

  REPLY

pratiksha bhagwat 21 hours ago (edited)

Home work answer

 $650 \times 21 = 13650$  $650 \times 32 = 20800$ 

Difference 2150...

Read more

  REPLY


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Juthika Das 21 hours ago

Ans is--7150

Thank you sir 🙏🙏🙏

  REPLY

View reply from Mahendras



punit pandey 21 hours ago

Ratio are 21:32 which mea

  REPLY

View reply from Mahendras



Soma Das 18 hours ago

Home work ans

7150

Thank you sir


  REPLY

View reply from Mahendras



Biswajit Laskar 6 hours ago

sir answe is 7150

  REPLY

Rohit kumar Maurya 20 hours ago

7150

  REPLY

View reply from Mahendras



Rityaj Seth 21 hours ago

7150

  REPLY

View reply from Mahendras



Jayashree Paul 7 hours ago

(D) 7150

  REPLY

banking pro 14 hours ago

7150 D

  REPLY

View reply from Mahendras

Mohit 14 hours ago

Thank-you Sir for such an Awesome class Session...

And

My solution for today's homework is like-

 $7 \times 9 : 8 \times 12 = 21 : 32$ ...

Read more

  REPLY

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Aheli Chatterjee 21 hours ago

Homework answer-

D 7150

Thank you Sir. All the questions today were very nice

  REPLY

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**HW :-Shikha and Shreya invested in the ratio 7: 8 in a business. They got an annual profit of Rs 34450. If Shikha withdrew her entire money at the end of 9 months, then what is the difference between their shares of profit?**

शिखा और श्रेया ने एक व्यवसाय में 7:8 के अनुपात में निवेश किया। उन्हें 34450 रुपये का वार्षिक लाभ हुआ। यदि शिखा ने 9 महीने के अंत में अपना पूरा पैसा वापस ले लिया, तो उनके लाभ के शेयरों के बीच का अंतर क्या है?

- (A)7570      (B) 6400      (C)7560      (D)7150      (E)None of these

0:30

What value should come in the place of question mark(?) in the following questions.

$$75\% \text{ of } 560 + 20\% \text{ of } 240 - 243 \div 3 = ?$$

- (A)384      (B)487      (C)387      (D)347      (E)None of these



What value should come in the place of question mark(?) in the following questions?

$$324 + 72 \times 78 - \sqrt{2916} = ?$$

(A)5486

(B)5886

(C)5586

(D)5786

(E)None of these



What value should come in the place of question mark(?) in the following questions?

$$17^3 + 34 \times 36 - 19^2 = ?$$

(A) 5475

(B) 5776

(C) 5276

(D) 5476

(E) None of these





What value should come in the place of question mark(?) in the following questions?

$$224 + 321 - 120 \text{ of } 20\% + 56^2 = ?$$

(A) 3627

(B) 3667

(C) 3657

(D) 3257

(E) None of these



What value should come in the place of question mark(?)in the following questions?

$$42 \times \{(2 + 3) - 11\} = ?$$

(A)40

(B)80

(C)-10

(D) -96

(E)None of these



What value should come in the place of question mark(?) in the following questions?

$$\frac{24}{26} \times \frac{285}{96} \div \frac{171}{169} = ?$$

(A) 65/24

(B) 65/72

(C) 120/33

(D) 148/73

(E) None of these



What value should come in the place of question mark(?)in the following questions?

$$326 + 689 + 364 = ? + 268 + 320$$

(A)719

(B)681

(C)691

(D)781

(E)791

0:30



What value should come in the place of question mark(?)in the following questions?

$$\sqrt{3364} + \sqrt{1369} + 26^2 = ?$$

(A)581

(B)771

(C)871

(D)671

(E)None of these



What value should come in the place of question mark(?)in the following questions?

$$\sqrt{(2116 \div 4) + 324} \div 6 = ?$$

- (A) 87      (B) 77      (C) 67      (D) 97      (E) None of these



What value should come in the place of question mark(?) in the following questions?

$$16.06 + 13.52 + 56.79 + 124 \div 4 = ?$$

(A) 116.37

(B) 117.37

(C) 113.37

(D) 113.37

(E) None of these



**Directions (Q. 26-30):** Study the following table and answer the questions based on it. **निम्न तालिका का अध्ययन करें और उसके आधार पर प्रश्नों के उत्तर दें।**

**Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years**  
**दिए गए वर्षों में प्रति वर्ष एक कंपनी (लाख रुपए में) का व्यय ।**

Year	EXPENDITURE				
	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
2013	576	196	6	46.8	166
2014	684	224	5.04	65	216
2015	648	202	7.68	83.2	148
2016	672	266	7.36	72.8	176
2017	840	284	7.92	98.8	196



**Q.26 :-** What is the average amount of interest per year which the company had to pay during this period?

प्रति वर्ष ब्याज की औसत राशि क्या है जो कंपनी को कुल अवधि के दौरान चुकानी पड़ी?

(A)Rs.72.43lakhs (B)Rs.73.72lakhs (C) Rs.73.71lakhs (D)Rs.73.32lakhs (E) None of these

0:30

Year	EXPENDITURE				
	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
2013	576	196	6	46.8	166
2014	684	224	5.04	65	216
2015	648	202	7.68	83.2	148
2016	672	266	7.36	72.8	176
2017	840	284	7.92	98.8	196

**Q.27:-** The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?

दी गई अवधि के दौरान कंपनी द्वारा दिए गए बोनस की कुल राशि, इस अवधि के दौरान दिए गए वेतन की कुल राशि का लगभग कितना प्रतिशत है?

(A) 0.1%

(B) 0.5%

(C) 1%

(D) 1.25%

(E) None of these

0:30

Year	EXPENDITURE				
	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
2013	576	196	6	46.8	166
2014	684	224	5.04	65	216
2015	648	202	7.68	83.2	148
2016	672	266	7.36	72.8	176
2017	840	284	7.92	98.8	196

**Q.28 :-** Total expenditure on all these items in 2013 was approximately what percent of the total expenditure in 2017?

**2013 में इन सभी वस्तुओं पर कुल व्यय 2017 में कुल व्यय का लगभग कितना प्रतिशत था?**

(A) 62%

(B) 66%

(C) 69%

(D) 71%

(E) None of these

0:30

Year	EXPENDITURE				
	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
2013	576	196	6	46.8	166
2014	684	224	5.04	65	216
2015	648	202	7.68	83.2	148
2016	672	266	7.36	72.8	176
2017	840	284	7.92	98.8	196

**Q.29 :-** The total expenditure of the company over these items during the year 2015 is? (in lakhs)

वर्ष 2015 के दौरान इन वस्तुओं पर कंपनी का कुल व्यय है?

(A) 1088.88

(B) 1001.11

(C) 1046.46

(D) 1078.87

(E) None of these

0:30

Year	EXPENDITURE				
	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
2013	576	196	6	46.8	166
2014	684	224	5.04	65	216
2015	648	202	7.68	83.2	148
2016	672	266	7.36	72.8	176
2017	840	284	7.92	98.8	196



**Q.30 :-** The ratio between the total expenditure on Taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively is approximately?

सभी वर्षों के लिए करों पर कुल व्यय और क्रमशः सभी वर्षों के लिए ईंधन और परिवहन पर कुल व्यय के बीच का अनुपात लगभग है?

- (A)4:7      (B)10:13      (C)15:18      (D)5:8      (E) None of these

0:30

Year	EXPENDITURE				
	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
2013	576	196	6	46.8	166
2014	684	224	5.04	65	216
2015	648	202	7.68	83.2	148
2016	672	266	7.36	72.8	176
2017	840	284	7.92	98.8	196

What should come at place of the question mark (?) in the following number series ?

11. 449 , 622 , 868 , 1237 , 1729 , 2344 , ?

(A) 3240

(B) 3020

(C) 3082

(D) 2780

(E) 3324



0:30

What should come at place of the question mark (?) in the following number series ?

12 . 8 , 31 , 122 , 485 , 1936 , 7739 , ?

(A) 38970

(B) 12780

(C) 30950

(D) 42320

(E) 35250

0:30

What should come at place of the question mark (?) in the following number series ?

13 . 16 , 24 , 48 , 120 , 360 , 1260 , ?

(A) 2015

(B) 4088

(C) 5040

(D) 5127

(E) 5225



What should come at place of the question mark (?) in the following number series ?

14. 529, 841, 961, 1369, 1681, 1849, ?

(A) 2449

(B) 2378

(C) 2219

(D) 2525

(E) 2209



0:30



What should come at place of the question mark (?) in the following number series ?

15 . 20 , 24 , 33 , 49 , 74 , 110 , ?

(A) 159

(B) 149

(C) 301

(D) 241

(E) None of these



**Q.31:-**A person has a chemical of Rs 15 per litre. In what ratio should water be mixed in that chemical so that after selling the mixture at Rs 12/litre he may get a profit of 20%.

एक व्यक्ति के पास 15 रुपये प्रति लीटर का रसायन है। उस रसायन में पानी किस अनुपात में मिलाना चाहिए कि मिश्रण को 12 रुपये प्रति लीटर पर बेचने पर उसे 20% का लाभ प्राप्त हो।

- (A)1:2      (B)2:1      (C)1:3      (D)3:1      (E) None of these

0:30

**Q.32 :-** Pipe A and B can fill a tank alone in 12 hours and 6 hours respectively. Another pipe C can empty the same tank alone in 9 hours. In an empty tank for the first-hour, pipe A is opened alone, second-hour pipe B is opened alone, third-hour pipe C is opened alone. This process is continued until the tank is filled. Then pipe A is opened for how many hours?

पाइप A और B अकेले एक टैंक को क्रमशः 12 घंटे और 6 घंटे में भर सकते हैं। एक अन्य पाइप C उसी टैंक को अकेले 9 घंटे में खाली कर सकता है। पहले घंटे के लिए एक खाली टैंक में, पाइप A को अकेले खोला जाता है, दूसरे घंटे के पाइप B को अकेले खोला जाता है, तीसरे घंटे के पाइप C को अकेले खोला जाता है। यह प्रक्रिया टैंकी के भर जाने तक जारी रहती है। फिर पाइप A को कितने घंटे के लिए खोला जाता है?

- (A) 7hours (B) 7hours 10 min (C) 7 hours 15min (D) 7hours20min (E) None of these

0:30

**Q.33 :-**The ratio of ages of Ankur to Bhavna is 6:13. Also ratio between Kritika's age two years after and Bhavna's age 4 years after will be 2:3. If the average age of Ankur and Kritika is 15 years, what will be Kritika's age three years hence?

अंकुर और भावना की आयु का अनुपात 6:13 है। साथ ही दो वर्ष बाद कृतिका की आयु और 4 वर्ष बाद भावना की आयु का अनुपात 2:3 होगा। यदि अंकुर और कृतिका की औसत आयु 15 वर्ष है, तो तीन वर्ष बाद कृतिका की आयु क्या होगी?

- (A)23      (B)19      (C)15      (D)CND      (E) None of these

0:30

**Q.34 :-** The average weight of 3 students P, Q and R are 84kg. Another student S joins the group and the average becomes 80kg. If another man T whose weight is 3kg more than that of S, replaces P, then the average weight of Q, R, S, and T becomes 79 kg then the weight of P is

3 छात्रों P, Q और R का औसत वजन 84 किग्रा है। एक अन्य छात्र S समूह में शामिल हो जाता है और औसत 80 किग्रा हो जाता है। यदि कोई अन्य व्यक्ति T जिसका भार S से 3 किग्रा अधिक है, P को प्रतिस्थापित करता है, तो Q, R, S और T का औसत भार 79 किग्रा हो जाता है, तो P का भार है

- (A)75      (B)82      (C)45      (D)98      (E) None of these

0:30



**Q.35 :-** Two circles touch each other internally. Their radii are respectively 4cm and 6 cm. What is the length of the chord of outer circle which touches the outside of the inner circle.

दो वृत्त एक दूसरे को आंतरिक रूप से स्पर्श करते हैं। उनकी त्रिज्याएँ क्रमशः 4cm एक 6cm हैं। बाहरी वृत्त की उस जीवा की लंबाई क्या है जो आंतरिक वृत्त के बाहर को स्पर्श करती है।

- (A)  $4\sqrt{5}$       (B)  $4\sqrt{3}$       (C)  $6\sqrt{3}$       (D)  $8\sqrt{2}$       (E)  $4\sqrt{2}$

0:30

**THANKS**

