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LIVE



MATHS

9:00 AM



**LIVE
MOCK
DISCUSSION**



UPCOMING ONLINE BATCHES

October 2021

20 Oct 2021

03:00 PM to 05:00 PM

LIVE PREMIUM GREEN CARD
(BANK-PO & CLERK)

08:00 AM to 10:00 AM

LIVE PREMIUM SILVER CARD
(SSC CGL & CHSL)

01:00 PM to 03:00 PM

LIVE CLASS CTET CARD
(CTET)

BILINGUAL

27 Oct 2021

08:00 AM to 10:00 AM

LIVE PREMIUM GREEN CARD
(BANK-PO & CLERK)

07:30 PM to 09:30 PM


LIVE PREMIUM GREEN CARD
(BANK-PO & CLERK)

10:30 AM to 12:30 PM

LIVE PREMIUM SILVER CARD
(SSC CGL & CHSL)

BILINGUAL



 Mohit 21 hours ago
Thank-you Sir for such a nice and Amazing session of today..👍
And
My answer for today's homework is option B - ₹ 4k - 5k.
100
Read more
👍 2 🗨️ REPLY


View reply from Mahendras : Online Videos For Govt. Exa

 Sarita 21 hours ago
Homework answer
Option (B) 4000- 5000
Today very nice and amazing session sir 🙏👍
Thanku so much sir
👍 2 🗨️ REPLY


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 Palak Shukla 20 hours ago
Homework answer——
4000-5000
Option B
Thankyou sir 🙏👍
👍 3 🗨️ REPLY

View reply from Mahendras : Online Videos For Govt. Exa

 Rajnandini Pal 13 hours ago
Homework Answer
Option B(Rs 4000-5000).
Thank you so much sir 🙏
👍 2 🗨️ REPLY


View reply from Mahendras : O


 S Simpal Kumari 11 hours ago
Homework ans
Option (B), Awesome session today
👍 1 🗨️ REPLY

View reply from Mahendras : O


 Aheli Chatterjee 21 hours ago
Homework ans-
B
Thank you sir. Very nice session tod
👍 2 🗨️ REPLY

View reply from Mahendras : O


 Biswajit Pradhan 9 hours ago
HOMEWORK ANSWER
OPTION B 4000-5000
THANK YOU SIR FOR THIS SESSION
👍 1 🗨️ REPLY

 Sourav Banerjee 21 hours ago
Homework answer -
Rs. 4000 - 5000
👍 2 🗨️ REPLY

View reply from Mahendras : Online Vide


 AAYUSH SRIVASTAVA 21 hours ago
HOMEWORK ANSWER- (B): RS 4000- RS 5000
👍 2 🗨️ REPLY

View reply from Mahendras : Online Vide

 Prashant Kumar 21 hours ago (edited)
11) B Rs. 4000-5000 Thank you, sir
👍 2 🗨️ REPLY

View reply from Mahendras : Online Vide


 Neha Singh 21 hours ago
Good morning sir
👍 2 🗨️ REPLY

 Motivation Wala Gyan 18 hours ago
Home work answer B 4000- 5000
👍 2 🗨️ REPLY

View reply from Mahendras : Online V

 SAIKAT 18 hours ago
H.W=opt B.Rs4000-5000
👍 2 🗨️ REPLY

View reply from Mahendras : Online V

 H Himanshilodwal Himanshilodwal 12 hours ago
Sir 4000 5000 he di ka answer
👍 2 🗨️ REPLY

View reply from Mahendras : Online V

 P Preeti Das 11 hours ago
4000-5000
👍 1 🗨️ REPLY

View reply from Mahendras : Online V

Directions (Q. 16-20):- Study the following table to answer the given questions Number of books of different prices bought in different months is given in the following table
दिए गए प्रश्नों का उत्तर देने के लिए निम्न तालिका का अध्ययन करें विभिन्न महीनों में खरीदी गई विभिन्न कीमतों की पुस्तकों की संख्या निम्नलिखित तालिका में दी गई है:

PRICE	MONTHS					
	Jan	Mar	May	July	Sep	Nov
More than Rs 5,000	50	106	2	30	25	75
Rs 4000 – RS 5,000	105	1000	40	105	400	375
Rs 3000 – Rs 3999	70	100	80	115	200	240
Rs2000 – Rs 2999	300	500	100	216	135	300
Rs1000 – Rs 1999	140	370	200	225	175	470
Rs500 – Rs 999	200	700	15	400	75	530
Less than Rs 500	65	135	111	188	25	65

Q.11 :- For which price range was maximum number of books bought for the given months together?

दिए गए महीनों के लिए एकसाथ अधिकतम किस मूल्य श्रेणी के लिए खरीदी गई पुस्तकों की संख्या थी?

(A) Rs 1000-1999 (B) Rs 4000-Rs. 5000 (C) Rs 3000 – Rs 3999 (D) Rs500 – Rs 999 (E) None of these



PRICE	MONTHS					
	Jan	Mar	May	July	Sep	Nov
More than Rs 5,000	50	106	2	30	25	75
Rs 4000 – RS 5,000	105	1000	40	105	400	375
Rs 3000 – Rs 3999	70	100	80	115	200	240
Rs2000 – Rs 2999	300	500	100	216	135	300
Rs1000 – Rs 1999	140	370	200	225	175	470
Rs500 – Rs 999	200	700	15	400	75	530
Less than Rs 500	65	135	111	188	25	65

Q.12 :- The books of price range Rs 1,000-1,999 bought in January is what percent of that in May?

जनवरी में खरीदी गई 1,000-1,999 रुपये की कीमत की किताबें मई में खरीदी गई किताबों का कितना प्रतिशत है?

- (A)30 (B)70 (C)50 (D)60 (E) None of these

0:30

PRICE	MONTHS					
	Jan	Mar	May	July	Sep	Nov
More than Rs 5,000	50	106	2	30	25	75
Rs 4000 – RS 5,000	105	1000	40	105	400	375
Rs 3000 – Rs 3999	70	100	80	115	200	240
Rs2000 – Rs 2999	300	500	100	216	135	300
Rs1000 – Rs 1999	140	370	200	225	175	470
Rs500 – Rs 999	200	700	15	400	75	530
Less than Rs 500	65	135	111	188	25	65

Q.13 :- How much is the difference in the number of books bought in September and November?

सितंबर और नवंबर में खरीदी गई पुस्तकों की संख्या में कितना अंतर है?

- (A) 244 (B) 776 (C) 1020 (D) 1310 (E) None of these

0:30

PRICE	MONTHS					
	Jan	Mar	May	July	Sep	Nov
More than Rs 5,000	50	106	2	30	25	75
Rs 4000 – RS 5,000	105	1000	40	105	400	375
Rs 3000 – Rs 3999	70	100	80	115	200	240
Rs2000 – Rs 2999	300	500	100	216	135	300
Rs1000 – Rs 1999	140	370	200	225	175	470
Rs500 – Rs 999	200	700	15	400	75	530
Less than Rs 500	65	135	111	188	25	65

Q.14 :- What is the ratio of books of Rs 4,000-Rs. 5,000 bought in January to that in March?
जनवरी में खरीदी गई 4,000-5,000 रुपये की पुस्तकों का मार्च में खरीदी गई पुस्तकों से अनुपात कितना है?

(A) 1 : 10

(B) 3 : 20

(C) 930 : 2911

(D) 21: 200

(E) None of these



PRICE	MONTHS					
	Jan	Mar	May	July	Sep	Nov
More than Rs 5,000	50	106	2	30	25	75
Rs 4000 – RS 5,000	105	1000	40	105	400	375
Rs 3000 – Rs 3999	70	100	80	115	200	240
Rs2000 – Rs 2999	300	500	100	216	135	300
Rs1000 – Rs 1999	140	370	200	225	175	470
Rs500 – Rs 999	200	700	15	400	75	530
Less than Rs 500	65	135	111	188	25	65

Q.15 :- In which month was maximum number of books bought?

किस महीने में सबसे ज्यादा किताबें खरीदी गईं?

(A) March (B) May (C) Nov (D) Sep (E) None of these



PRICE	MONTHS					
	Jan	Mar	May	July	Sep	Nov
More than Rs 5,000	50	106	2	30	25	75
Rs 4000 – RS 5,000	105	1000	40	105	400	375
Rs 3000 – Rs 3999	70	100	80	115	200	240
Rs2000 – Rs 2999	300	500	100	216	135	300
Rs1000 – Rs 1999	140	370	200	225	175	470
Rs500 – Rs 999	200	700	15	400	75	530
Less than Rs 500	65	135	111	188	25	65

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

$$185\% \text{ of } 1359 + 18.5\% \text{ of } 1319 = ?$$

(A) 1836.456

(B) 2234.625

(C) 2534.275

(D) 2654.325

(E) 2758.165



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

$$144 \times 7 + 612 \times 4 = ? \% \text{ of } 12800$$

- (A)25 (B)24 (C)27 (D)29 (E)None of these



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

$$\sqrt{2480.04} \div 4.98 = ?$$

- (A) 10 (B) 1 (C) 12 (D) 15 (E) 1.8



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

$$(48)^{92} \times (48)^{-94} = (48)^?$$

- (A) 4 (B) 8 (C) 5 (D) -2 (E) None of these



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

$$(8)^{117} \times (8)^{-119} = ?$$

- (A)- 16 (B)8 (C)64 (D)1/64 (E)None of these



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

$$(23 + \sqrt{6})^2 = 535 + ?\sqrt{6}$$

- (A)46 (B)48 (C)45 (D)24 (E)None of these



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

$$672 \div 24 \times 18 + 153 - 345 = ?$$

(A) 318

(B) 324

(C) 314

(D) 308

(E) 312



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

$$(450 \div 30)^2 - 12^2 = ?^2$$

- (A) 9 (B) -9 (C) $\sqrt{9}$ (D) 81 (E) None of these



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

$$77.7 + 777.7 + 7777.7 + 77777.7 = ?$$

(A) 86410.8

(B) 84100.8

(C) 88610.8

(D) 81064.8

(E) None of these



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

$$? - 4441 - 321 - 20 + 520 = 69894$$

(A) 74165

(B) 74654

(C) 74154

(D) 74156

(E) None of these



Direction (11 to 15):- In each question two equations numbered (I) and (II) are given. You have to solve both the equations and mark appropriate answer.

- (a) If $x > y$**
- (b) If $x < y$**
- (c) If $x \geq y$**
- (d) If $x \leq y$**
- (e) $x = y$ or no relation can be established**

Q.11 :- I. $x^2 + x - 20 = 0$

II. $y^2 - y - 30 = 0$

Q.12 :- I. $x - \sqrt{121} = 0$

II. $y^2 - 121 = 0$

Q.13 :- I. $4x^2 - 17x + 18 = 0$

II. $4y^2 - 21y + 26 = 0$

Q.14 :- I. $x^2 - 16 = 0$

II. $y^2 - 9y + 20 = 0$

Q.15 :- I. $3x^2 + 8x + 4 = 0$

II. $4y^2 - 19y + 12 = 0$



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

16 . 63 , 48 , 35 , 24 , 15 , ?

- (A)9 (B)8 (C)7 (D)11 (E)None of these



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

17 . 16 , 17 , 20 , 29 , 56 , ?

(A) 107

(B) 103

(C) 105

(D) 101

(E) None of these



0:30

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

18 . 2 , 6 , 16 , 38 , ? , 142

(A) 74

(B) 76

(C) 78

(D) 80

(E) None of these



0:30

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

19 . 72 , 36 , 12 , 6 , 2 , ?

- (A) 0 (B) 0.5 (C) 1 (D) 1.5 (E) None of these



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

20 . 36 , 47 , 60 , ? , 84 , 95

(A) 73

(B) 71

(C) 70

(D) 75

(E) None of these

 0:30

Directions (Q. 21-25):- Direction for Question

Data given below shows the number of chocolates sold by 5 different shops. There are three types of chocolates A, B and C.

नीचे दिए गए डेटा में 5 अलग-अलग दुकानों द्वारा बेची चॉकलेट की संख्या को दर्शाया गया है। चॉकलेट तीन प्रकार के हैं A, B और C।

Shops	Total CHOCOLATES	% OF TYPE A	NO OF TYPES B
A	480	35	112
B	550	20	235
C	750	40	265
D	300	32	128
E	640	37.5	96

Q.21 :- Average number of type A chocolate is what percent more or less than the average number of type C chocolate?(approx)

A प्रकार की चॉकलेट की औसत संख्या C प्रकार की चॉकलेट की औसत संख्या से कितना प्रतिशत अधिक या कम है? (लगभग)

(A)4.80%

(B)5.77%

(C)3.56%

(D)4.65%

(E) None of these

0:30

Shops	Total CHOCOLATES	% OF TYPE A	NO OF TYPES B
A	480	35	112
B	550	20	235
C	750	40	265
D	300	32	128
E	640	37.5	96

Q.22 :- What is the ratio between the numbers of chocolates of type B sold by shop C to the average number of chocolates of type C?

दुकान C द्वारा बेचे गए B प्रकार की चॉकलेट की संख्या तथा चॉकलेट C की औसत संख्या के मध्य अनुपात ज्ञात कीजिए?

- (A)188:135 (B)184 : 166 (C)132: 167 (D)265 : 194 (E) None of these

0:30

Shops	Total CHOCOLATES	% OF TYPE A	NO OF TYPES B
A	480	35	112
B	550	20	235
C	750	40	265
D	300	32	128
E	640	37.5	96

Q.23 :- If the number of chocolates in all the shops are same then find at which shop type C chocolate selling percentage is highest?

यदि सारी दुकानों में चॉकलेट की संख्या बराबर तो ज्ञात कीजिए की C प्रकार की चोकोलेट बेचने का प्रतिशत किस दुकान का सबसे अधिक था?

- (A)B (B)C (C)D (D)A (E) CND

0:30

Shops	Total CHOCOLATES	% OF TYPE A	NO OF TYPES B
A	480	35	112
B	550	20	235
C	750	40	265
D	300	32	128
E	640	37.5	96

Q.24 :- Find the average number of chocolates sold shop B and D together?

दूकान B तथा दूकान D द्वारा एक साथ बेचे गए चॉकलेट की औसत संख्या ज्ञात कीजिए?

(A)283.33

(B)425.00

(C)343.33

(D)470.33

(E) None of these

0:30

Shops	Total CHOCOLATES	% OF TYPE A	NO OF TYPES B
A	480	35	112
B	550	20	235
C	750	40	265
D	300	32	128
E	640	37.5	96

Q.25 :- What is the ratio between the type C chocolates sold by shop C to type A chocolate sold by shop A?

दुकान C के द्वारा बेचे गए C प्रकार के चॉकलेट की संख्या तथा दुकान A के द्वारा बेचे गए A प्रकार के चॉकलेट की संख्या के मध्य का अनुपात ज्ञात कीजिए?

- (A) 185 : 168 (B) 168 : 485 (C) 485 : 234 (D) 234 : 485 (E) None of these

0:30

Shops	Total CHOCOLATES	% OF TYPE A	NO OF TYPES B
A	480	35	112
B	550	20	235
C	750	40	265
D	300	32	128
E	640	37.5	96

Q.26 :- An article which was sold for Rs 950.4 was marked at Rs 1440. If two successive discounts were given with first being 25%, find the second discount given?

एक वस्तु जिसे 950.4 रुपए मूल्य पर बेचा गया उस पर 1440 रुपए पर अंकित किया गया था। यदि दो क्रमागत छूट को दिया गया जिसमें प्रथम 25% था, तो दूसरी छूट ज्ञात कीजिये?

(A) 12.5%

(B) 15%

(C) 12%

(D) 16%

(E) 18%

0:30



Q.27 :- Mixture A contains 12.5% water and mixture B contains 10% water. In what ratio both mixtures should be mixed in a bottle so that in bottle ratio of milk and water be 89:11.

मिश्रण A में पानी 12.5% और मिश्रण B में पानी 10% पानी है। एक बोतल में दोनों को किस अनुपात में मिलाना चाहिए ताकि बोतल में दूध और पानी का अनुपात 89:11 हो जाये।

- (A) 1 : 2 (B) 1:3 (C) 2 :3 (D) 1:4 (E) 1:5

0:30

Q.28:- Two pipes A and B can fill a cistern in 36 minute and 45 minutes respectively. If both the pipes are opened together, then after how much time should B be closed so that the cistern is full in 24 minutes ?

दो पाइप A और B क्रमशः 36 मिनट और 45 मिनट में एक टंकी भर सकते हैं। यदि दोनों पाइप एक साथ खोले जाते हैं, तो उसके कितने समय पश्चात B को बंद कर देना चाहिए ताकि टंकी 24 मिनट में पूरी तरह भर जाए?

- (A) 9 (B) 12 (C) 10 (D) 7 (E) None of these

0:30

Q.29 :- The simple interest accrued on Rs 36000 at the end of three years is Rs. 12000. What would be compound interest accrued on the same amount for same time period.(Approx.)

36000 रुपये पर तीन वर्ष के अंत में साधारण ब्याज 12000 रुपये है । समान समय अवधि के लिए समान राशि पर अर्जित चक्रवृद्धि ब्याज ज्ञात कीजिए। (लगभग)

(A)13380

(B)13570

(C)14250

(D)13940

(E) 13900

0:30

THANKS

