

# SSC MTS/HAWALDAR/CHSL



**MATHS**

# TOP 200+ QUESTIONS PART-5

तैयारी जीत की...

**LIVE**

**06:30 PM**





## UPCOMING ONLINE BATCHES

May 2022

04 May 2022

05:30 PM to 07:30 PM

BANK ONLINE LIVE CLASS

10:30 AM to 12:30 PM

SSC ONLINE LIVE CLASS

BILINGUAL

11 May 2022

10:30 AM to 12:30 PM

BANK ONLINE LIVE CLASS

01:00 PM to 03:00 PM

SSC ONLINE LIVE CLASS

BILINGUAL

18 May 2022

07:30 PM to 09:30 PM

BANK ONLINE LIVE CLASS

05:30 PM to 07:30 PM

SSC ONLINE LIVE CLASS

BILINGUAL

04:00 PM to 06:00 PM

BANK ONLINE LIVE CLASS

ENGLISH & BENGALI

25 May 2022

03:00 PM to 05:00 PM

BANK ONLINE LIVE CLASS

08:00 AM to 10:00 AM

SSC ONLINE LIVE CLASS

BILINGUAL

05:30 PM to 09:30 PM

CUET ONLINE LIVE CLASS

BILINGUAL



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7052477777/7052577777

Join Telegram Channel – Play Maths with Shubham Masuraha sir



Mohit.. 22 hours ago

Thank-you Sir for this Magical Class Session of today's... 🙏😊

And

My Answers for today's homework are like-

1). Option A- 200.

2). Option C- A is 40% less than D.



Thank-you So Much, Sir ji.. 😊🙏

Show less



REPLY



• 1 REPLY



Deepali Rajlani 20 hours ago

Answer of homework

Option- C



REPLY



• 1 REPLY

Join Telegram Channel – Play Maths with Shubham Masuraha sir



A person sold an article at a loss of 8%. Had he sold it at a gain of 10.5% he would have received Rs 37 more. What is the cost price of the article?

एक व्यक्ति ने एक वस्तु को 8% की हानि पर बेचा। यदि वह इसे 10.5% के लाभ पर बेचता तो उसे 37 रुपये अधिक प्राप्त होते। वस्तु का क्रय मूल्य क्या है?

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- 1) Rs. 200
- 2) Rs. 250
- 3) Rs. 240
- 4) Rs. 210



A is 20% more than B, B is 25% more than C, C is 60% less than D and D is 20% more than E. Based on the above information, which of the following is true ?

A, B से 20% अधिक है, B, C से 25% अधिक है, C, D से 60% कम है और D, E से 20% अधिक है।  
उपरोक्त जानकारी के आधार पर, निम्नलिखित में से कौन सा सत्य है?

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- 1) D is 60% less than B
- 2) E is 28% more than A
- 3) A is 40% less than D
- 4) C is 24% less than A



In  $\Delta ABC$ , D and E are the points on sides AB and AC, respectively, such that  $DE \parallel BC$ . If  $DE : BC$  is 3 : 5, then (area of  $\Delta ADE$ ) : (Area of quadrilateral DECB) is :

ABC में, D और E क्रमशः AB और AC की भुजाओं पर ऐसे बिंदु हैं कि  $DE \parallel BC$  यदि  $DE:BC$  3 : 5 है, तो ( $\Delta ADE$  का क्षेत्रफल) : (चतुर्भुज DECB का क्षेत्रफल) है:

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- 1) 9 : 16
- 2) 3 : 4
- 3) 9 : 25
- 4) 5 : 8



If 30 persons take 10 day complete a certain work working 8 hours a day, then 40 persons should work how many hours a day so that the work is completed in 6 day ?

यदि 30 व्यक्ति एक दिन में 8 घंटे कार्य करते हुए एक निश्चित कार्य को 10 दिन में पूरा करते हैं, तो 40 व्यक्तियों को प्रतिदिन कितने घंटे कार्य करना चाहिए ताकि कार्य 6 दिन में पूरा हो जाए?

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- 1) 6
- 2) 10
- 3) 8
- 4) 12



The volume of a right circular cone is  $924 \text{ cm}^3$ . If its height is 18 cm, then the area of its base (in  $\text{cm}^2$ ) is :

एक लम्ब वृत्तीय शंकु का आयतन  $924 \text{ सेमी}^3$  है। यदि इसकी ऊंचाई 18 सेमी है, तो इसके आधार का क्षेत्रफल (सेमी<sup>2</sup> में) है:

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- 1) 154
- 2) 132
- 3) 176
- 4) 198





If  $\cot\theta = \frac{1}{\sqrt{3}}$ , then the value of  $\frac{2-\sin^2\theta}{1-\cos^2\theta} + (\operatorname{cosec}^2\theta + \sec\theta)$  is :

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- 1) 4
- 2) 6
- 3) 7
- 4) 5



Two circles of radii 15 cm and 12 cm intersect each other, and the length of their common chord is 18 cm. What is the distance (in cm) between their centers?

15 सेमी और 12 सेमी त्रिज्या वाले दो वृत्त एक दूसरे को काटते हैं, और उनकी उभयनिष्ठ जीवा की लंबाई 18 सेमी है। उनके केंद्रों के बीच की दूरी (सेमी में) क्या है?

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- 1)  $18 + \sqrt{7}$
- 2)  $15 + \sqrt{7}$
- 3)  $12 + 2\sqrt{7}$
- 4)  $12 + 3\sqrt{7}$



If  $a + b + c = 5$ ,  $a^2 + b^2 + c^2 = 27$ , and  $a^3 + b^3 + c^3 = 125$ , then the value of  $4abc$  is :

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- 1) -20
- 2) -15
- 3) 15
- 4) 20



If  $3\sqrt{3}x^3 - 2\sqrt{2}y^3 = (\sqrt{3}x - \sqrt{2}y)(Ax^2 - Bxy + Cy^2)$ , then the value of  $(A^2 - B^2 + C^2)$  is:

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- 1) 10
- 2) 17
- 3) 7
- 4) 1



Anu spends 90% of her income. If her expenditure increases by 25% and savings increase by 30%, then by what percent does her salary increase?

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- 1) 25.5%
- 2)(b) 24%
- 3)(c) 22.5%
- 4)(d) 20%



A circle is inscribed in a quadrilateral ABCD, touching sides AB, BC CD and DA at P, Q, R and S, respectively. If  $AS=8\text{cm}$ ,  $BC=11\text{cm}$ , and  $CR=5\text{cm}$ , then the length AB is equal to:

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- 1) 12 cm
- 2) (b) 13 cm
- 3) (c) 16 cm
- 4) (d) 14 cm