

(MATHS)

TOP 200+

QUESTIONS

PART-5

तैयारी जीत की...



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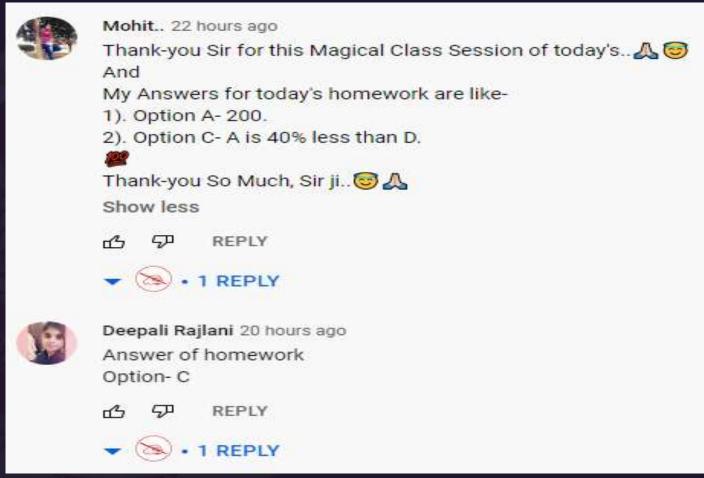
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A person sold an article at a loss of 8%. Had he sold it at a gain of 10.5% he would have received Rs 37 more. What is the cost price of the article?

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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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?

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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In \triangle ABC, D and E are the points on sides AB and AC, respectively, such that DE | BC. If DE : BC is 3 :

5, then (area of Δ ADE): (Area of quadrilateral DECB) is:
ABC में, D और E क्रमशः AB और AC की भुजाओं पर ऐसे बिंदु हैं कि DE || BC यदि DE: BC 3: 5 है, तो (Δ ADE का क्षेत्रफल): (चतुर्भुज DECB का क्षेत्रफल) है:



1) 9:16

2) 3:4

3) 9:25

4) 5:8

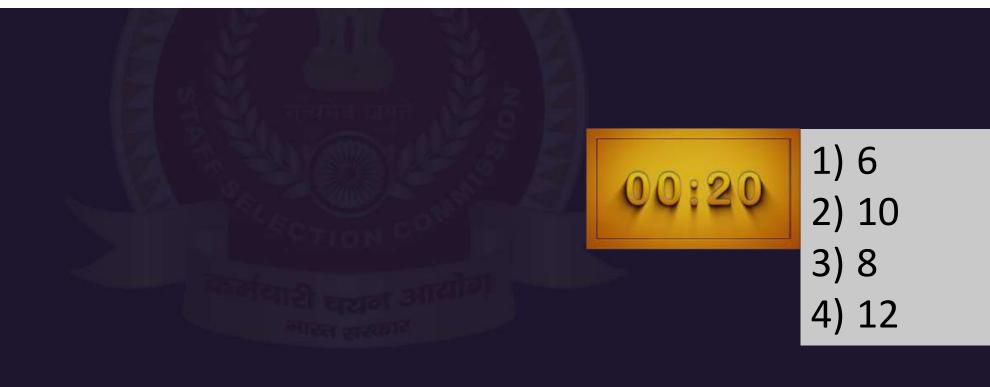


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If 30 persons take 10 day complete a certain work working 8 hours a day, then 40 persons should

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?



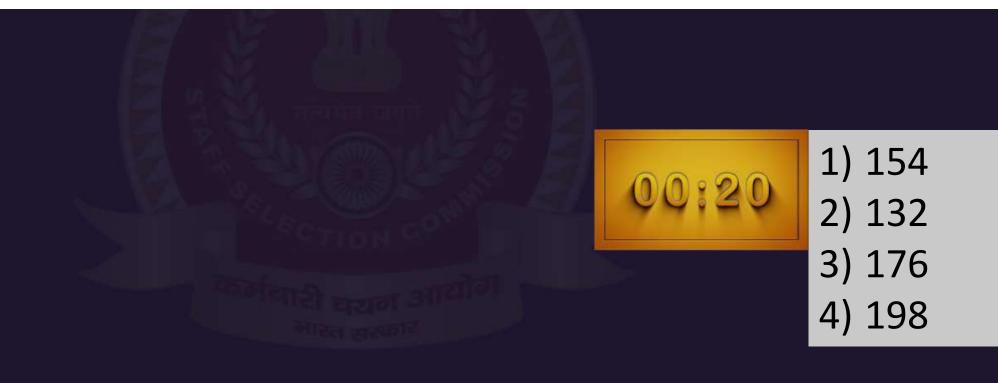


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The volume of a right circular cone is 924 cm³. If its height is 18 cm, then the area of its base (in cm²) is:

एक लम्ब वृत्तीय शंकु का आयतन 924 सेमी³ है। यदि इसकी ऊंचाई 18 सेमी है, तो इसके आधार का क्षेत्रफल (सेमी² में) है:

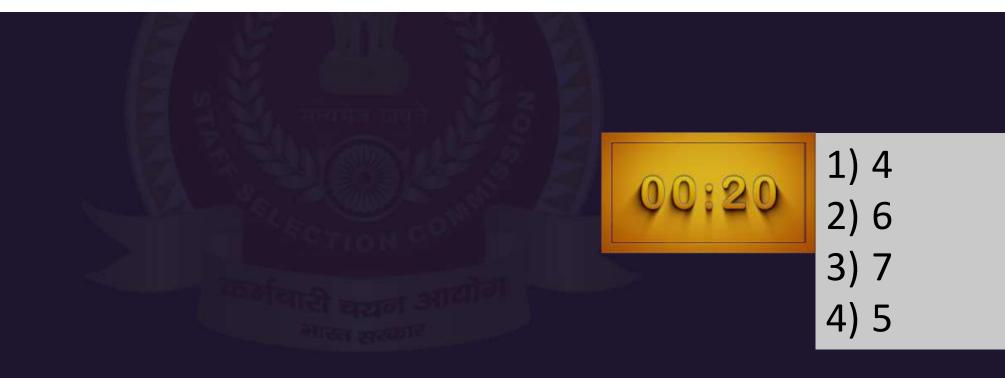




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If
$$\cot \theta = \frac{1}{\sqrt{3}}$$
, then the value of $\frac{2-\sin^2 \theta}{1-\cos^2 \theta} + (\csc^2 \theta + \sec \theta)$ is:





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Two circles of radii15 cm and 12cm intersect each other, and the length of their common chord is 18cm. what it the distance (in cm) between their centers?

15 सेमी और 12 सेमी त्रिज्या वालें 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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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 :

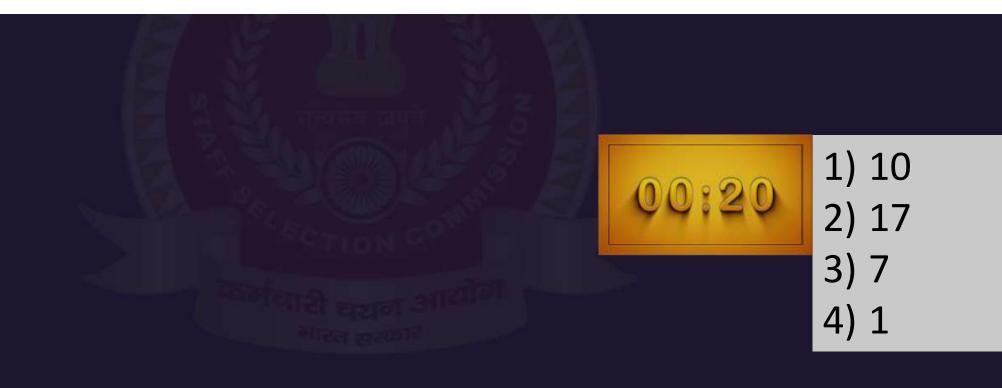




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If
$$3\sqrt{3}x^3 - 2\sqrt{2}y^3 = (\sqrt{3}x - \sqrt{2}y)(Ax^2 - Bxy + Cy^2)$$
, then the value of $(A^2 - B^2 + C^2)$ is:





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

