



# SSC DIGITAL GURU-JI MATH



## TOP 100+ QUESTIONS OF CGL



4:00 PM

DAY-19

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1. Asif is twice as good as workman as Bashir and together they finish a piece of work in 30 days. In how many days will Asif alone finish the work?

आसिफ बाशिर से दोगुना अच्छा कर्मकार है और दोनों मिलकर एक काम को 30 दिनों में पूरा करते हैं।  
आसिफ को अकेले उस काम को करने में कितना दिन लगेगा?

(a) 90

(b) 45

(c) 60

(d) 75





2. A vendor buys 6 bananas for Rs 25 and sells them at 3 for Rs 20. What is his profit percentage?

एक विक्रेता 25 रुपये में 6 केले खरीदता है और 20 रु में 3 केले बेच देता है उसका लाभ प्रतिशत कितना है?



(a) 50

(b) 40

(c) 60

(d) 30

3. A man travelled a distance of 60 km in 7 hours. He travelled partly on foot @ 6 km/hr and partly on bicycle @ 12 km/hr. What is the distance (in kms) travelled on foot?

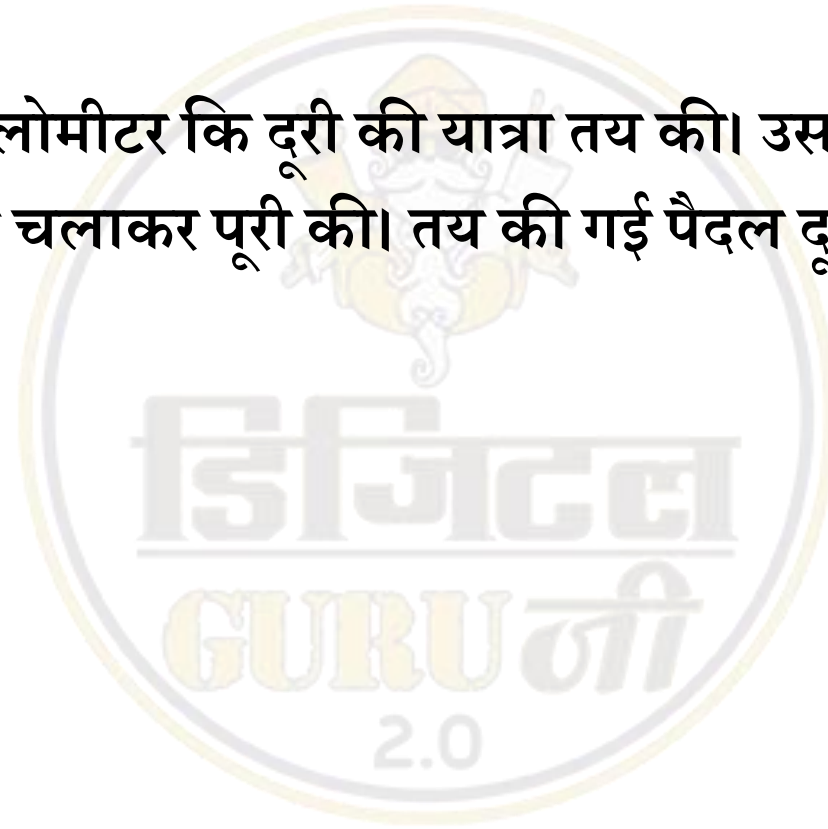
एक व्यक्ति ने 7 घंटे में 60 किलोमीटर की दूरी की यात्रा तय की। उसने यात्रा आंशिक रूप से 12 किलोमीटर/घंटा पर साइकिल चलाकर पूरी की। तय की गई पैदल दूरी (किलोमीटर में) कितनी है?

(a) 15

(b) 9

(c) 48

(d) 24



4. If  $[2(4x/5 - 3/4)]/3 - 5/3 = -1/6$ , then the value of x is  
यदि  $[2(4x/5 - 3/4)]/3 - 5/3 = -1/6$  है, तो x का मान क्या है?



- (a) 4/15
- (b) -15/4
- (c) -4/15
- (d) 15/4



5. If  $a^3 + b^3 = 35$  and  $ab = 6$ , then what is the value of  $a + b$ ?

यदि  $a^3 + b^3 = 35$  और  $ab = 6$  है तो  $a + b$  का मान क्या है?



(a) 5

(b) 8

(c) 2

(d) -8

6. What is the sum of the first 11 terms of an arithmetic progression if the 4th term is 11 and the 7th term is -4?

समांतर श्रेणी के पहले 11 पदों का योग क्या है यदि चौथा पद 11 और सातवां पद -4 है?



(a) -75

(b) 55

(c) 11

(d) 100

7. The compound interest earned in two years at 12% per annum is Rs 10176.

What is the sum (in Rs) invested?

12% प्रति वर्ष की दर से 2 वर्षों के लिए अर्जित चक्रवृद्धि ब्याज 10176 रु है। निवेश की गई राशि (रु में) क्या है?



(a) 50000

(b) 60000

(c) 40000

(d) 80000



8. A batsman makes a score of 111 runs in the 10th match and thus increases his average runs per match by 5. What will be his average after the 10th match?

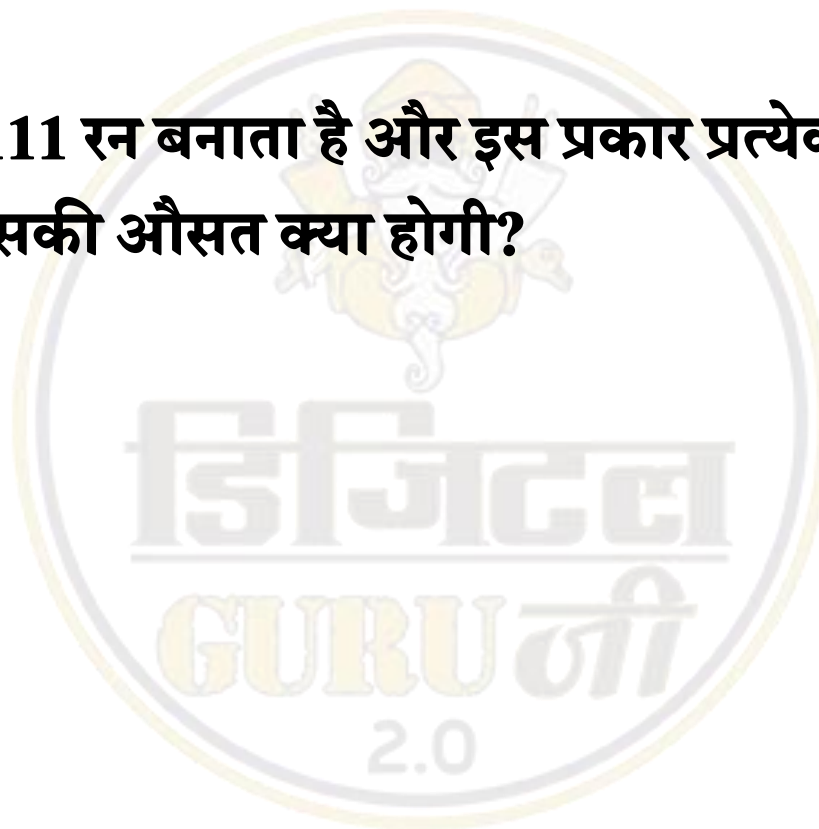
एक बल्लेबाज 10-वे मैच में 111 रन बनाता है और इस प्रकार प्रत्येक मैच में उसकी औसत 5 रन से बढ़ जाती है। 10-वें मैच के बाद उसकी औसत क्या होगी?

(a) 66

(b) 61

(c) 62

(d) 64



9. What is the value of  $\cot 45^\circ - (1/\sqrt{3})\operatorname{Cosec} 60^\circ$ ?

$\cot 45^\circ - (1/\sqrt{3})\operatorname{Cosec} 60^\circ$  का मान क्या है?



(a)  $1/\sqrt{3}$

(b)  $1/2$

(c)  $1/\sqrt{2}$

(d)  $1/3$



10.  $\Delta DEF$  is right angled at E. If  $m\angle F = 45^\circ$ , then what is the value of  $2 \sin F \times \cot F$ ?

$\Delta DEF$  E पर समाकोण है। यदि  $m\angle F = 45^\circ$  है, तो  $2 \sin F \times \cot F$  का क्या मान है?



- (a)  $\sqrt{2}$
- (b) 2
- (c)  $1/\sqrt{2}$
- (d)  $1/2$

11. A, B and C can complete a work in 20, 24 and 30 days respectively. All three of them starts together but after 4 days A leaves the job and B left the job 6 days before the work was completed. C completed the remaining work alone. In how many days was the total work completed?

A B RkFkk C fdlh dk;Z dks Øe" k% 20] 24 rFkk 30 fnuksa esa iwjk dj ldrs gSA rhuks us feydj dk;Z dks vkjaHk fd;k ijUrq 4 fnu ds lk" pkr A us dk;Z dks NksM+ fn;k rFkk B us dk;Z iwjk gksus ds 6 fnu igys dk;Z NksM+ fn;k A C ds "ks'k dk;Z vdsys dh iw.kZ fd;kA dqy dk;Z dks iwjk djus esa fdrus fnu yxs gksxs\

- (a) 10
- (b) 12
- (c) 14
- (d) 16



12. For an article profit is 170% of the cost price. If the cost price increases by 20% but the selling price remains same, then what is the new profit percentage

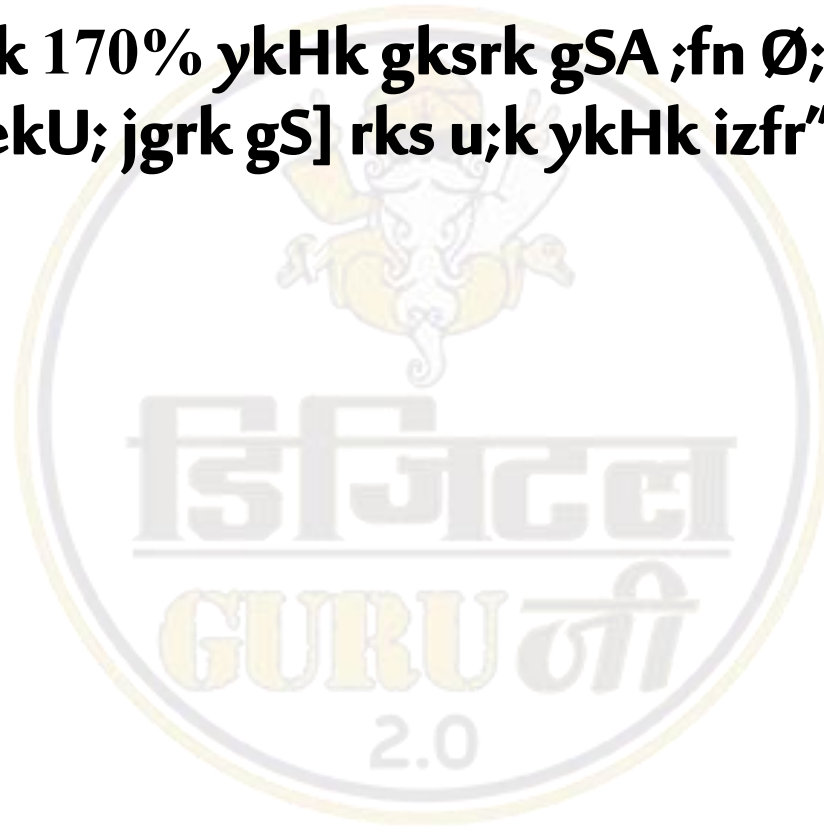
12. ಒಂದು ವಸ್ತುವಿನ ಮೇಲೆ 170% ಲಾಭವಿದೆ. ಅದರ ಮೇಲೆ 20% ಹೆಚ್ಚಳ ಆದರೆ ಮಾರಾಟ ದರವು ಒಂದೇ ಇದ್ದರೆ, ಹೊಸ ಲಾಭದ ಶೇಕಡೆ ಎಷ್ಟು?

(a) 41

(b) 50

(c) 75

(d) 125



13. A Boat goes 15 km upstream and  $10\frac{1}{2}$  km down stream in 3 hours 15 minutes. It goes 12 km upstream and 14 km stream in 3 hours. What is the speed of the boat in still water?

13. A Boat goes 15 km upstream and  $10\frac{1}{2}$  km down stream in 3 hours 15 minutes. It goes 12 km upstream and 14 km stream in 3 hours. What is the speed of the boat in still water?

(a) 4

(b) 6

(c) 10

(d) 14





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# ENGLISH BITES

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## PART

↓  
**2**

# 1000+

**MOST**

**DAY  
34**

## IMPORTANT QUESTIONS

## UPSC/BANK/ SSC EXAMS



**6:30 AM**

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