



Mahendra's



SSC CGL/CPO/CHSL

MATHS

ALGEBRA

(बीजगणित)

PART-4

Most Asked Questions By SSC

LIVE

06:30 PM





Archita Dubey 23 hours ago

Nice session sir... thankyou sir



REPLY



Chhavi Saxena 23 hours ago

Home work answer is option B (47)

Very Nice Session Sir Thanku so much Sir



REPLY

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Anjali Kushwaha 6 hours ago

47 is right answer sir



REPLY



Prashant Rajput 22 hours ago

Homework answer 47 🙏



REPLY

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creative sg 23 hours ago

Answer: 47



SABITRI SOREN 22 hours ago

Option b.47



REPLY

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Bunny family 23 hours ago

Option b 47



REPLY

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Somya Jain 5 hours ago

Ans. 47



REPLY



ARNAB DEBROY 23 hours ago

b)47



REPLY

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POOJA KUMARI 34 minutes ago

47





Soumen Sinha 23 hours ago

47



REPLY

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MONOJIT 23 hours ago

47 is the answer.



REPLY

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Archita Dubey 23 hours ago

47 is the correct answer.



REPLY

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Sukanta sen 23 hours ago

B



REPLY

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ARNAB DEBROY 23 hours ago

b)47



REPLY

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Nidhi Gupta 23 hours ago

47



REPLY

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Shivani Sharma 23 hours ago

47



REPLY

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Ankit Kumar 23 hours ago

47



REPLY

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Mahendra's

SSC 2022 | CGL | CHSL | CPO | ● LIVE at 06:30 PM





If $a + \frac{1}{a} = 3$. Then $(a^4 + \frac{1}{a^4})$ is equal to:

यदि $a + \frac{1}{a} = 3$ है तो $(a^4 + \frac{1}{a^4})$ बराबर है—

(a) 77

(b) 47

(c) 81

(d) 27

01:00



If $x + \frac{1}{x} = 3$, then, $x^8 + \frac{1}{x^8} = ?$

a)2425

b)2207

c)2329

d)3234

01:00



If $x + \frac{1}{x} = 4$, then what is the value of, $x^6 + \frac{1}{x^6} = ?$

a)52

b)256

c)1026

d)2702

01:00



If $x + \frac{1}{x} = 3$, then, $x^7 + \frac{1}{x^7} = ?$

a)843

b)882

c)807

d)852

01:00



If $\frac{2x}{3} - \frac{3}{2x} = 5$, then $\frac{16x^4}{81} - \frac{81}{16x^4} = ?$

a) $154\sqrt{29}$

b) $162\sqrt{29}$

c) $135\sqrt{29}$

d) $108\sqrt{29}$

01:00



If $\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{7}$, then $x^3 + \frac{1}{x^3}$ is equal to:

यदि $\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{7}$ है, तो $x^3 + \frac{1}{x^3}$ बराबर है—

(a) 140

(b) 130

(c) 120

(d) 110

01:00



If $\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{19}$, then $x\sqrt{x} + \frac{1}{x\sqrt{x}} = ?$

यदि $\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{19}$ हो तो $x\sqrt{x} + \frac{1}{x\sqrt{x}} = ?$

- a) $16\sqrt{19}$ c) $22\sqrt{19}$ c) $19\sqrt{19}$ d) $15\sqrt{19}$

01:00



If $x^{15} + \frac{1}{x^{15}} = 9$, then $x^{45} + \frac{1}{x^{45}} = ?$

a)729

b)756

c)702

d)774

01:00



If $x^{12.5} + \frac{1}{x^{12.5}} = 16$, then $x^{25} + \frac{1}{x^{25}} = ?$

यदि $x^{12.5} + \frac{1}{x^{12.5}} = 16$ हो तो, $x^{25} + \frac{1}{x^{25}} = ?$

a)254

b)258

c)260

d)256

01:00



If $\frac{x^{42}+1}{x^{21}} = 7$, then $\frac{x^{84}+1}{x^{42}} = ?$

यदि $\frac{x^{42}+1}{x^{21}} = 7$ हो तो, $\frac{x^{84}+1}{x^{42}} = ?$

a)51

b)49

c)53

d)47

01:00



If $x^{2019} = 11 - 2\sqrt{30}$, then $x^{4038} + \frac{1}{x^{4038}} = ?$

यदि $x^{2019} = 11 - 2\sqrt{30}$ हो तो, $x^{4038} + \frac{1}{x^{4038}} = ?$

a)443 b)439

c)486

d)482

01:00



If $x^{150} = \frac{6-\sqrt{21}}{6+\sqrt{21}}$, then $x^{150} + \frac{1}{x^{150}} = ?$

यदि $x^{150} = \frac{6-\sqrt{21}}{6+\sqrt{21}}$ हो तो, $x^{150} + \frac{1}{x^{150}} = ?$

a) 8.7

b) 8.6

c) 6.7

d) 7.6

01:00



$a = \frac{2 + \sqrt{3}}{2 - \sqrt{3}}$ and $b = \frac{2 - \sqrt{3}}{2 + \sqrt{3}}$ value of $a^2 + b^2 + ab$?

यदि $a = \frac{2 + \sqrt{3}}{2 - \sqrt{3}}$ and $b = \frac{2 - \sqrt{3}}{2 + \sqrt{3}}$ है, तो $a^2 + b^2 + ab$ का मान क्या है?

(a) 185

(b) 195

(c) 200

(d) 175

01:00



$a = \frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}}$ and $b = \frac{\sqrt{3} - \sqrt{2}}{\sqrt{3} + \sqrt{2}}$ value of $a^2 + b^2 - ab$?

यदि $a = \frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}}$ और $b = \frac{\sqrt{3} - \sqrt{2}}{\sqrt{3} + \sqrt{2}}$ है, तो $a^2 + b^2 - ab$ का मान क्या है?

(a) 97

(b) $(2\sqrt{3}) + 2$

(c) $(4\sqrt{6}) + 1$

(d) 98

01:00