



मिशन SSC 2023



MATHS

बीजगणित (ALGEBRA)

पिछली परीक्षा में पूछे गए प्रश्नों के आधार पर

SSC की सभी परीक्षाओं हेतु उपयोगी

BY MATHS GURU

LIVE | 04:00 PM



If $x^2 - 8x + 1 = 0$, then what is the value of $x^2 + \frac{1}{x^2}$?

SSC CPO - (03 July 2017) Shift-I



- a. 18
- b. 34
- c. 40
- d. 62



If $8x^3 - 27y^3 = (Ax + By)(Cx^2 - Dy^2 + 6xy)$
the find the values of $(A + B + C - D)$?

SSC CGL - Mains - (12 Sep 2019)



- a. -12
- b. 12
- c. 15
- d. 9



If $x^2 + \frac{1}{x^2} = \frac{7}{4}$ for $x > 0$, then what is the value of

$$x^3 + \frac{1}{x^3} = ?$$

SSC CPO - (03 July 2017) Shift-I

- a. $\frac{3\sqrt{3}}{\sqrt{5}}$
- b. $\frac{3\sqrt{15}}{5}$
- c. $\frac{3\sqrt{15}}{8}$
- d. $\frac{15\sqrt{3}}{2}$



If $(x - 7)^3 + (2x + 8)^3 + (2x - 3)^3 = 3(x - 7)(2x + 8)(2x - 3)$,
then what is the value of X ?

SSC CHSL-Pre- (08 July 2019) Shift-2



- a. 1.6
- b. 2.4
- c. 1.2
- d. 0.4



If $(5\sqrt{5}x^3 - 3\sqrt{3}y^3) \div (\sqrt{5}x - \sqrt{3}y) = Ax^2 + By^2 + Cxy$ then the value of $(3A + B - \sqrt{15}C)$ is:

SSC CPO (23 November 2020) Shift-I



- a. 8
- b. 5
- c. 3
- d. 12



If $x + \frac{1}{16x} = 3$, then the value of $16x^3 + \frac{1}{256x^3}$ is ?

SSC CGL - Mains - (12 Sep 2019)



- a. 423
- b. 441
- c. 432
- d. 414



If $x = \frac{\sqrt{5}-\sqrt{3}}{\sqrt{5}+\sqrt{3}}$ and y is the reciprocal of x , then what is value of $(x^3 + y^3)$?

SSC CGL - Mains - (12 Sep 2019)



- a. 488
- b. 389
- c. 512
- d. 560



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MATHS



If $a+b = 8$, $ab = -12$, then $a^3 + b^3 = ?$

SSC CPO (SI) - (11 December 2019) Shift-I



- a. 833
- b. -244
- c. 800
- d. 833



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a. a