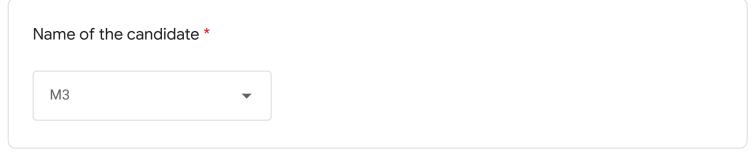
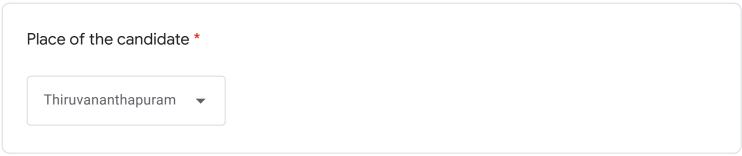
108 DAYS ONLINE COACHING DAY(108) -2/07/2020 THURSDAY

LINEAR AND QUADRATIC EQUATIONS







WHAT APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM) * 0000

Please watch the following videos and answer the following questions

https://youtu.be/f-6E6-y3dP4 https://youtu.be/btHGqCZb1BY https://youtu.be/QpOAkGDO3gg https://youtu.be/PNOjOvhGhkw

- 1. What is the price of a banana? 1)A man can buy 14 bananas and 35 oranges for Rs 84. 2) 1 point With 50% discount on the price of bananas, Rs 12 would buy 4 bananas and 5 oranges. [SBI PO] *
- a) Statement (1) alone is sufficient to answer the question.
- b) Statement (2) alone is sufficient to answer the question.
- c) If either Statement (1) or (2) alone are sufficient to answer the question.
- d)If the data even in both Statements (1) and (2) together are not sufficient to answer the question.
- e) If the data in both Statements (1) and (2) together are necessary to answer the questions.
- 2. 15 X^2 -11X+2=0 10Y^2-9Y+2=0 *

- if x > y
- if x ≤ y
- if $x \ge y$
- if x < y
- if x = y or relationship between x and y can't be established

3. 10X^2 -7X+1=0 , 35X^2-12Y+1=0 *	1 point
\bigcirc if x = y or relationship between x and y can't be established	
4.740 (7.7.0.0740 40.45.04	

4.X^2-6X-7=0 , 2Y^2+13y+15=0 * 1 point if $x \le y$ if $x \ge y$ if x < yif x = y or relationship between x and y can't be established

5.8X^2-22X+12=0 , 15Y^2-19Y+6=0 * 1 point if x > yif $x \le y$ if $x \ge y$

if x < y

6.3X^2+17X+10=0 , 10Y^2+9Y+2=0 *	1 point
if x ≤ y	
$ if x \ge y $	
if x = y or relationship between x and y can't be established	
7.X^2-4X-221=0 , Y^2-Y-132=0 *	1 point
if x = y or relationship between x and y can't be established	
8. X^2+31X+228=0 , Y^2+28Y+187=0 *	1 point
if x = y or relationship between x and y can't be established	

9. I. 2Y^2-15Y+28 , II. X- The product of LCM and HCF of two number is 24. If the
difference of the two numbers is 2,then find the numbers *

1 point

- if x > y
- if $x \le y$
- if x ≥ y
- if x < y
- if x = y or relationship between x and y can't be established

10.x^2-35x+306=0, y^2-44y+475=0 *

- if x > y
- if $x \le y$
- if $x \ge y$
- if x < y
- if x = y or relationship between x and y can't be established

11. Rachita enters a shop to buy ice-creams, cookies and pastries. She has to buy at least 1 po 9 units of each. She buys more cookies than ice-creams and more pastries than cookies. She picks up a total of 32 items. How many cookies does she buy? [SBI CLERK] *	int
a) Either 12 or 13	
(b) Either 11 or 12	
© c) Either 10 or 11	
d) Either 9 or 11	
e)Either 9 or 10	
12. The fare of a bus is Rs.X for the first five kilometres and Rs.13 per kilometer thereafter. 1 po If a passenger pays Rs.2,402 for a journey of 187 kilometres, what is the value of X? [SBI CLERK] *	int
If a passenger pays Rs.2,402 for a journey of 187 kilometres, what is the value of X? [SBI	int
If a passenger pays Rs.2,402 for a journey of 187 kilometres, what is the value of X? [SBI CLERK] *	int
If a passenger pays Rs.2,402 for a journey of 187 kilometres, what is the value of X? [SBI CLERK] *	int
If a passenger pays Rs.2,402 for a journey of 187 kilometres, what is the value of X? [SBI CLERK] * (a) Rs. 29 (b) Rs. 39	int
If a passenger pays Rs.2,402 for a journey of 187 kilometres, what is the value of X? [SBI CLERK] * a) Rs. 29 b) Rs. 39 c) Rs. 36	int

13.The total cost of 8 buckets and 5 mugs is 92 and the total cost of 5 buckets and 8 mugs is 77.Find the cost of 2 mugs and 3 buckets. *	1 point
35	
O 70	
O 38	
O 30	
14.Mohan gets 3 marks for each correct sum and loses 2 marks for each wrong sum .He attempts 30 sums and obtains 40 marks.The number of sums evolved correctly is *	1 point
O 12	
20	
O 15	
O 18	

15. The cost of 10 kg of apples is equal to the cost of 24 kg of rice. The cost of 6 kg of 1 point flour equals the cost of 2 kg of rice. The cost of each kg of flour is Rs.20.50. Find the total cost of 4 kg of apples, 3 kg of rice and 5 kg of flour? *
A. Rs.849.40
B. Rs.877.40
C. Rs.901.60
D. Rs.815.20
E. None of these
16. The number obtained by interchanging the two digits of a two-digit number is less than the original number by 45. If the sum of the two digits of the number so obtained is 13, then what is the original number? *
than the original number by 45. If the sum of the two digits of the number so obtained is
than the original number by 45. If the sum of the two digits of the number so obtained is 13, then what is the original number? *
than the original number by 45. If the sum of the two digits of the number so obtained is 13, then what is the original number? * A. 49
than the original number by 45. If the sum of the two digits of the number so obtained is 13, then what is the original number? * A. 49 B. 94
than the original number by 45. If the sum of the two digits of the number so obtained is 13, then what is the original number? * A. 49 B. 94 C. 83

- 17. Find the value of x and y from the given equation:3x + 2y = 4, 8x + 5y = 9.
- 1 point

- {(2, 5)}
- **(**-2. 5)}
- {(-2, 3)}
- {(1, 3)}
- 18. Find the value of the given below information Solve: 6/x + 3/y = 11, 3/x + 9/y = 11. *
- 1 point

- x = 3/2, y = 1
- x = 3, y = 1
- x = 2, y = 1
- x = 1, y = 3
- 19. The value of y in the solution of the equation $2^(x + y) = 2^(x y) = \sqrt{8}$ is: *
- 1 point

- 0

- 3/4

20. A man has some hens and cows. If the number of heads be 48 and number of feet 1 point equals 140, the number of hens will be: *

- 26
- 24
- 23
- 22

21. l. $3x^2 - 37x + 110 = 0$, ll. $6y^2 - 80y + 264 = 0$

1 point

- if x > y
- if $x \le y$
- if $x \ge y$
- if x < y
- if x = y or relationship between x and y can't be established

22. l. $15x^2 + 29x + 8 = 0$, II. $4y^2 - 71y - 18 = 0$

- if x > y
- if $x \le y$
- if $x \ge y$
- if x < y
- if x = y or relationship between x and y can't be established

231	4x^2 -	13v -	17 =	\cap	11 60	·v^2 -	326v	- 22 =	= O	*
ZJ.1.	4	IJA	1/ —	\circ	,11. 00	' y - Z	3 <u>2</u> 0y		- 0	

1 point

- if x > y
- if $x \le y$
- if $x \ge y$
- if x < y
- if x = y or relationship between x and y can't be established

24. l.
$$x^2 - 10.5x + 22.5 = 0$$
, II. $37y^2 - 49y - 186 = 0$

1 point

- if x > y
- if $x \le y$
- if x ≥ y
- if x < y
- if x = y or relationship between x and y can't be established

25. l.
$$x^2 + 5x - 84 = 0$$
, ll. $y^2 + 27y + 180 = 0$

- x > y

- $x \le y$
- x = y or relationship between x and y can't be established

Thankyou!!!

This content is neither created nor endorsed by Google.

Google Forms