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1.	Sum of two number (a) 30 and 20	rs is 50 and the (b) 24 a		s 10, then the numbers (c) 12 and 2	are (d) none of these		
2.	The sum of the digits of a two-digit number is 12. The number obtained by interchanging its digit exceeds the given number by 18, then the number is (a) 72 (b) 75 (c) 57 (d) none of these						
3.	digits differ by 3, th	en the number		obtained by interchang (d) none of these	ging its digit is 99. If the		
4.	of its digit. If the di	fference between		times the number obta s 3, then the number is (d) none of these	nined by reversing the order		
5.	number, the digits a	re reversed, the		um of its digits. If 18 in its (d) none of these	is subtracted from the		
6.	The sum of two numbers is 1000 and the difference between their squares is 25600, then the numbers are (a) 616 and 384 (b) 628 and 372 (c) 564 and 436 (d) none of these						
7.	present age of A is		d as B and ten (c) 30	years later A shall be (d) none of these	twice as old as B, then the		
8.	The sum of thrice the 138, then the number (a) 40 and 20			and four times the fir (c) 12 and 22	st exceeds the second by (d) none of these		
9.	2. The sum of twice the first and thrice the second is 92 and four times the first exceeds seven times the second by 2, then the numbers are (a) 25 and 20 (b) 25 and 14 (c) 14 and 22 (d) none of these						
10.	10. The difference between two numbers is 14 and the difference between their squares is 448, then the numbers are						
	(a) 25 and 9	(b) 22 a		(c) 23 and 9	A 6		
11.	1. The solution of the system of linear equations $\frac{x}{a} + \frac{y}{b} = a + b; \frac{x}{a^2} + \frac{y}{b^2} = 2$ are (a) $x = a$ and $y = b$ (b) $x = a^2$ and $y = b^2$ (c) $x = 1$ and $y = 1$ (d) none of these						
	(a) $x = a$ and $y = 1$	b (b) x = a	a^2 and $y = b^2$	(c) $x = 1$ and $y = 1$	(d) none of these		
12.	2. The solution of the system of linear equations $2(ax-by)+(a+4b)=0$; $2(bx+ay)+(b-4a)=0$						
	are (a) $x = a$ and $y = 1$	b (b) x = -	-1 and $y = -1$	(c) $x = 1$ and $y = 1$	(d) none of these		

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1.

1.	The pair of equations $y = 0$ and y (a) one solution (b) two solution	many solutions (d) no solution					
2.	The pair of equations x = a and y = b graphically represents the lines which are (a) parallel (b) intersecting at (a, b) (c) coincident (d) intersecting at (b, a)						
3.	The value of c for which the pair many solutions is (a) 3 (b) -3 (d 6x - 2y = 3 will have infinitely (d) no value				
4.	When lines l ₁ and l ₂ are coincider (a) infinite number of solutions (c) no solution	(b) unique solution (d) one solution	ion system of linear equation have				
5.	When lines l ₁ and l ₂ are parallel, t (a) infinite number of solutions (c) no solution	then the graphical solution (b) unique solution (d) one solution					
5.	The coordinates of the vertices of is (a) (0, 5), (0, 0) and (6.5,0) (c) (4,2), (0, 0) and (0,5) ((b) (4,2), (0, 0) and (6.5,0)	the lines and y-axis from the graph				
7.	Five years ago Nuri was thrice old as Sonu. Ten years later, Nuri will be twice as old as Sonu. The present age, in years, of Nuri and Sonu are respectively (a) 50 and 20 (b) 60 and 30 (c) 70 and 40 (d) 40 and 10						
8.	The pair of equations $5x - 15y =$ (a) infinite number of solutions (c) no solution	8 and 3x – 9y = 24/5 has (b) unique solution (d) one solution	1 2 3 4 5 6 X				
9.	The pair of equations $x + 2y + 5$ (a) infinite number of solutions (c) no solution	= 0 and -3x - 6y + 1 = 0 h (b) unique solution (d) one solution					
10.	get reversed. The number is	git number is 9. If 27 is add	ded to it, the digits of the numbers				

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	1.	(a) parallel (c) always inters	, then tr	(b) always co	(b) always coincident (d) intersecting or coincident		
	2.	The solution of the (a) $x = 9$ and $y = 0$					(d) $x = 10$ and $y = 4$
	3.	The sum of the nu b3, the fraction be (a) $\frac{4}{7}$	ecomes ½, then	the fra	action		enominator is increased by
	4.	The value of k for solution is (a) $k = -6$					xy = 1 has a unique
	5.	. If a pair of equation is inconsistent, then the lines will be (a) parallel (b) always coincident (c) always intersecting (d) intersecting or coincident					
	6.	The value of k for solution is (a) $k = -3$					ky = 10 has infinite many nese
	7.	The value of k for solution is (a) $k = -3$					2y = 3 has a unique
	8.	Sum of two numb (a) 24 and 12				nen the numbers 2 and 11	
	9.	The solution of the (a) $x = 1$ and $y = 1$	-		•		is (d) $x = 5$ and $y = 4$
10. The solution of the equations $x + 2y = 1.5$ and $2x + y = 1.5$ is (a) $x = 1$ and $y = 1$ (b) $x = 1.5$ and $y = 1.5$ (c) $x = 0.5$ and $y = 0.5$ (d) none of these							
	11.	is	Larence Lie			xy = 3 and 5x + 1	ky + 7 = 0 has no solution
	12.		(b) 6 r which the systematics (b) 10 (b) 10 (c) 10	(c) 3 em of e		5y = 0 and kx +	10y = 0 has a non-zero
		solution is (a) 0	(b) 2	(c) 6	(d) 8		