have to pack and distribute.

(B) 25

15

(A)

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ARITHMETIC COMPETITION

Category IV: Class IX and X

1.	P is 4 years older to Q but 3 years younger to R. Q and S are twin brothers. How many years younger is S to R?							
	(A)	5 years	(B)	6 years	(C)	7 Years	(D)	8 years.
2.	20 players of a club play a badminton singles tournament. Every time a member loses a game, he out of the tournament. It is assumed that there are no ties. What is the minimum number of matches that must be played to determine a winner?							
	(A)	21	(B)	20	(C)	18	(D)	19
3. Ranita Chanu has collected Rs. 320 in Yaoshang in the denominations of one rupee rupee notes and 10 rupee notes. The number of notes in each denominations is equal. V total number of notes that she collected?							•	
	(A)	45	(B)	48	(C)	60	(D)	56
4. A farmer built a fence around his square field. He used 25 fence poles on each side of the many poles did he need altogether?						side of the field. How		
	(A)	100	(B)	96	(C)	98	(D)	94
5.		nes the number rs cannot repres	-			_	s. Which	one of the following
	(A)	49	(B)	56	(C)	42	(D)	<mark>71</mark>
6.	The nu	The number which when added to itself 10 times gives 121 is						
	(A)	10	(B)	11	(C)	12	(D)	13
7.	A bus starts from city A. The number of women in the bus is half of the number of men. In city B, 12 men leave the bus and 7 women enter. Now number of men and women is equal. In the beginning, how many passengers entered the bus?							
	(A)	57	(B)	55	(C)	58	(D)	60
8.	At the many	t the end of a meeting, the eleven persons present all shake hands with each other once. How hands hakes will there be altogether?						
	(A)	32	(B)	36	(<mark>C)</mark>	55	(D)	45
9.	You ha			•	•	•		e left with one sweet. number of sweets you

(C)

24

D

35



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10.		finish the task?		r. Togetner tney	can do	a task in 15 day	s. In nov	w many days, will ivir.	
	(A)	17	(B)	18	(C)	19	(D)	20	
11. Chaoba took a loan of Rs. 25,000 on simple interest for 3 years at the rate of 4% p.(A) amount that he will be paying as interest in 3 years is 5% of his monthly salary. What is his salary.									
	(A)	6000	(B)	66000	(C)	60000	(D)	66600	
12. 32% of the members of a certain group of locality are unmarried. What is the respective between the number married members to the unmarried members?									
	(A)	16:7	(B)	17:8	(C)	8:17	(D)	19:7	
13.		is running at 60 Find the time of				But with stopp	ages its	average speed is 50	
	(A)	9 minutes	(B)	7 minutes	(C)	10 minutes	(D)	10 minutes	
14.		a number is equestions and the first nu		ree – fifth of an	other n	umber. What is	the ratio	between the second	
	(A)	1:2	(B)	2:1	(C)	2:3	(D)	1:1	
15.	. A dealer wants to earn 25% profit on an article after offering 40% discount. By what percent shou be increased his marked price to arrive at the label price?							what percent should	
	(A)	40%	(B)	50%	(C)	45%	(D)	60%	
16.	An egg the egg		at 2 for	Rs.1. He sells t	he eggs	at 5 for Rs.3. Th	e profit	percentage on selling	
	(A)	12%	(B)	14%	(C)	16%	(D)	20%	
17.	17. If x is an odd number and y is an even number then which of the following is not an even?								
	(A)	x + y -1 + xy	(B)	x + y -1	(C)	$x^2 + y^2 + xy$	(D)	2x +3y + 2xy	
18.	8. Three bottles of equal capacities are containing a mixture of milk and water in the ratio 1:2, 4:5 an 11:7 respectively. These three bottles are emptied into a large bottle. What is the ratio of milk an water respectively in this large bottle?								
	(A)	27:29	(B)	25:29	(C)	29:25	(D)	29:27	
19.	19. If the side of the square is increased by 20%, then how much % does its area get increased?								
	(A)	34%	(B)	44%	(C)	20%	(D)	40%	
20.	Two nu	ımbers are in th	e ratio 5	5:6 and if 4 is ad	lded to t	the first number	and 4 is	s subtracted from the	

second number then the ratio becomes 3:2. Find the difference between the two numbers?



(A) 2:5

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3:5

(B)

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5:2

(D)

21.	The speed of three cars in the ratio 2:3:5. What is the ratio among the time taken by these cars to travel the same distance?								
	(A)	3:5:2	(B)	3:2:5	(C)	15:10:6	(D)	6:10:15	
22.	2. A tap can fill a tank in 12 hours. Due to a hole in its base, it is filled in 18 hours. If tank is full then in how many hours it will be empty through the hole in its base?								
	(A)	33 hours	(B)	36 hours	(C)	26 hours	(D)	42 hours	
23.	3. It is compulsory to get 36% marks in a paper to Ashok to pass it. He got only 24% marks and failed by 9 marks. Total marks of the paper was								
	(A)	100	(B)	75	(C)	50	(D)	120	
24.	24. In an election between two candidates, the winning candidate has got 70% of the votes polled and has won by 15,400 votes. What is the number of votes polled for the loosing candidates?								
	(A)	10550	(B)	11500	(<mark>C)</mark>	11550	(D)	10500	
25.	If the transac	_	price ai	nd cost price is	4:5 res	spectively, then	the los	ss percentage in this	
	(A)	10%	(B)	15%	(C)	12%	(D)	20%	

(C)

5:3