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Ratio, Proportion, Variation and Alligation Practice

20 Minutes - (Don't skip any questions)

1)		a: b = 2: 5, the 33: 26		a + 4b): (4 $a + 11$: 13) is 13:11	D.	23: 26	E.	26: 33
2)	Jill A. B. C. D.		es as 140 245 245 196	Joseph's. Wha		-		mount Jack has		-
3)	A bag contains rupee, 50 -paise and 25 -paise coins in the ratio $5:6:7$. If there are no more coadded, how much is the value of the greatest number of coins if the total value of coins is Rs 390?								of coins is	
	A.	Rs. 280	B.	Rs. 40	C.	Rs. 70	D.	Rs. 200	E.	Rs. 240
4)	In a mixture of 28 liters, the ratio of milk and water is 5: 2. If 2 liters of water and 5 liters of m are added to the mixture, what is the new ratio of water and milk?								nd 5 liters of milk	
	A.	5:2	В.	2:5	C.	4:3	D.	22:13	E.	None
5)	is	nd the sum of th 608. 10		ositive integers 20		ch are in the ra		2: 3: 5 and the s		of whose squares
6)	6) Mihir and Mayur have marbles in the ratio of 2: 3. If more 6 marbles are given to both, then Mihir has 7/9 as much marbles as Mayur's. Find how many marbles Mayur has before and afte the addition.									
		6 and 12	В.	8 and 14	C.	9 and 15	D.	10 and 16	E.	12 and 18

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7)	to	\$ 432.50 is divided among four persons Dan, Danny, Dorothea and Dodo such that Dan's share to Danny's = 3:4, Danny's share to Dorothea's = 5:6, and Dorothea's share to Dodo's = 11:9. How much more did Dorothea receive than Dodo?								
	A.	\$ 48	В.	\$ 32	C.	\$ 24	D.	\$ 16	E.	\$8
8)	res A. B. C. D.		ema nd S nd S nd S	ainders shall be \$ 1005 \$ 1015 \$ 1015 \$ 1010					\$ 5,	\$ 10 and \$ 15
9) The ratio of number of boys to the number of girls in a school of 1638 is 5: 2. If the nu girls is increased by 60, what must be the decrease in the number of boys to make the of boys to girls 4: 3?										
	A.	738	В.	704	C.	528	D.	466	E.	308
10		e ratio of numb ould be admitte 90	d to	-	1: 1			lents is 7: 5. Ho		any more girls None
11				_	o th	at half of A's pa	irt, c	one-third of B's	part	and one-sixth of
		part are equal.		•	_	¢ 1000	_	¢ 5 4 0	_	¢ 400
	A.	\$ 660	В.	\$ 360	C.	\$ 1080	υ.	\$ 540	E.	\$ 480
12) An alloy of zinc and tin contains them in the ratio of $37:63$. Find the weight of zinc which must be added to 400 kg of this alloy if the final ratio of zinc and tin is to be $70:30$.										
	A.	480	В.	460	C.	440	D.	420	E.	400
13	rat	yo boxes A and I tio of 7: 3. What beans and 3 kg 4 and 5	qu of r	antity must be t	take			n a mixture whi		B and B in the hall contain 6 kg None