Q1. If A : B = 7 : 9 and B : C = 3 : 5, then A : B : C is equal to:

Ratio & proportions

(a) 7:3:15	(b) 7:9:5	(c) 7:	9:15	(d) 21:35:45	
Q2. If 2A = 3B = 4	4C, then A : B : 0	C is:			
(a) 2:3:4	(b) 3:4:6	(c) 4:3	3:2	(d) 6:4:3	
Q3. If A : B = 2 :	3 and B : C = 3	3:7, then A + I	B:B+C:C	C + A is:	
(a) 4:8:9	(b) 4:10:9	(c) 5:8	3:9	(d) 5:10:9	
Q4. If two-third	of A is four-fif	th of B, then A	: B = ?		
(a) 10:9	(b) 9:10	(c) 6 : 5	5 ((d) 5:6	
Q5. The ratio of	$52^{2.5}:5^3$ is sa	me as			
(a) 1 : 25	(b) 5:3	(c) 5 : 6	6	(d) 25:1	
_				is scored by them in a certain match is given natch they scored 564 runs. The number of run	S
(a) 104	(b) 114	(c) 124	4	(d) 144	
double that of a	a brown pair. V mistake, whic	Vhile preparin h increased th	g the bill the	airs of brown socks. The price of a black socks ne clerk interchanged the number of black and 0%. The ratio of the number of black and browr	
(a) 4:1	(b) 2:1	(c) 1 :	4	(d) 1:2	
Q8. There is a resecond numbe		tween two nui	mbers. If 40	0 per cent of the first is 12, then 50% of the	
(a) 24	(b) 20	(c) 12	(d) 18	3	
Q9. Three num number is 36. 1			4 . The diffe	erence between the greatest and the smallest	
(a) 72, 96, 108	(b) 72, 84	l, 96 (c)	72, 84, 108	08 (d) 60, 72, 96	
=				ne second is 8 : 9 and that of the second and er is 2400, then the second number is:	
(a) 55	(b) 45	(c) 40	(d) 30		





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-	me of A and B ar . 2000 and B sav		3. The expenses of A, B and C are in the ratio of 8 : 5 : 2. n A saves
(a) Rs. 1500	(b) Rs. 100	0 (c) Rs. 5	(d) Rs. 250
-	there are three t value is Rs. 372.		uch as 1 rupee, 50 paise and 25 paise in the ratio of 3 : 8 per of coins is
(a) 1200	(b) 961	(c) 744	(d) 612
=			orkers in a factory in the ratio 15 : 11 and an increment by which the total wage of the workers should be
(a) 3:5	(b) 3:7	(c) 5:6	(d) 6:5
-		,	in a college is 7 : 8. If the percentage increase in the pectively, what will be the new ratio?
(a) 8:9	(b) 17:18	(c) 21:22	(d) Cannot be determined
Q15. If 40% of the second nu	•	ual to two-third o	of another number, what is the ratio of first number to
(a) 2 : 5	(b) 3:7	(c) 5:3	(d) 7:3
Q16. In a bag, many 5 p coins		of 25 p, 10 p and	d 5 p in the ratio of 1 : 2 : 3. If there is Rs. 30 in all, how
(a) 50	(b) 100	(b) 150	(c) 200
	ies of A, B, and (s the salary of C		o of 1 : 2 : 3. The salary of B and C together is Rs. 6000. B of A?
(a) 200%	(b) 300%	(c) 400%	(d) 500%
	Rs. 427 is to be s share are all e	_	A, B and C such that 3 times A's share, 4 tunes B's share of C is :
(a) 196	(b) 84	(c) 120	(d) 165
After some day	ys, 30 girls joine	d the school and	was 660. The ratio between boys and girls was 13:9. d some boys left the school and the new ratio between of boys who left school?
(a) 60	(b) 50	(c) 40	(d) 30
Q20. The mont	thly income of tv	wo persons are i	in the ratio 2 : 3 and their monthly expenses are in the

ratio 5 : 9. If each of them saves φ 600 per month, then their monthly incomes are





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(a) Rs. 1500 and Rs. 2250

(b) Rs. 1200 and Rs. 1800

(c) Rs. 1600 and Rs. 2400

(d) Rs. 1400 and Rs. 2,100

Q21. A mixture contains sugar solution and colored water in the ratio of 4:3. If 10 liters of colored water is added to the mixture, the ratio becomes 4:5. Find the initial quantity of sugar solution in the given mixture.

(a) 10 litres

(b) 20 litres

(c) 15 litres

(d) 25 litres

Partnership

Q22. A and B invest in a business in the ratio 3: 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is:

(a) Rs. 1425

(b) Rs. 150

(c) Rs. 1537.50

(d) Rs. 1576

Q23. A, B and C jointly thought of engaging themselves in a business venture. It was agreed that A would invest Rs. 6500 for 6 months, B, Rs. 8400 for 5 months and C, Rs. 10,000 for 3 months. A wants to be the working member for which, he was to receive 5% of the profits. The profit earned was Rs. 7400. Calculate the share of B in the profit.

(a) Rs. 1900

(b) Rs. 2660

(c) Rs. 2800

(d) Rs. 2840

Q24. A, B, C subscribe Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 35,000, A receives:

(a) Rs. 8400(

b) Rs. 11,900

(c) Rs. 13,600

(d) Rs. 14,700

Q25. Three partners shared the profit in a business in the ratio 5:7:8. They had partnered for 14 months, 8 months and 7 months respectively. What was the ratio of their investments?

(a) 5:7:8

(b) 20:49:64

(c) 38:28:21

(d) None of these

Q26. A starts business with Rs. 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2:3. What is B's contribution in the capital?

(a) Rs. 7500

(b) Rs. 8000

(c) Rs. 8500

(d) Rs. 9000

Q27. A and B started a partnership business investing some amount in the ratio of 3:5. C joined then after six months with an amount equal to that of B. In what proportion should the profit at the end of one year be distributed among A, B and C?

(a) 3:5:2

(b) 3:5:5

(c) 6:10:5

(d) Data inadequate

Q28. A, B, C rent a pasture. A puts 10 oxen for 7 months, B puts 12 oxen for 5 months and C puts 15 oxen for 3 months for grazing. If the rent of the pasture is Rs. 175, how much must C pay as his share of rent?





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(a) Rs. 45

(b) Rs. 50

(c) Rs. 55

(d) Rs. 60

Q29. A began a business with Rs. 85,000. He was joined afterwards by B with Rs. 42,500. For how much period does B join, if the profits at the end of the year are divided in the ratio of 3: 1?

(a) 4 months

(b) 5 months

(c) 6 months

(d) 8 months

Q30. Aman started a business investing Rs. 70,000. Rakhi joined him after six months with an amount of Rs.. 1,05,000 and Sagar joined them with Rs. 1.4 lakhs after another six months. The amount of profit earned should be distributed in what ratio among Aman, Rakhi and Sagar respectively, 3 years after Aman started the business?

(a) 7:6:10

(b) 12:15:16

(c) 42:45:56

(d) Cannot be determined

Answer key

1	С	7	С	13	D	19	D	25	В
2	D	8	С	14	С	20	С	26	D
3	D	9	Α	15	С	21	В	27	С
4	С	10	В	16	С	22	В	28	Α
5	D	11	Α	17	Α	23	В	29	D
6	D	12	В	18	В	24	D	30	В