

Aptitude Excellence 03

Total points 15/30 ?

Duration: 30 Minutes

0 of 0 points

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MCQ

15 of 30 points

✓ If $A:B:C = 2:3:4$, then find
 $A/B : B/C : C/A$

1/1

☐ 5:9:24☐ 6:9:24☐ 7:9:24☒ 8:9:2

✗ Find the fourth proportion to 2,3,6

0/1

☒ 18

✗

☐ 12

☐ 9

☐ 4

Correct answer

☒ 9

✓ if $x:y = 1:3$, then find the value of $(7x+3y):(2x+y)$

1/1

☐ 14:5

☐ 15:5

☒ 16:5

✓

☐ 17:5

✗ In a college, the ratio of the number of boys to girls is 8 : 5. If there are 200 girls, the total number of students in the college is 0/1

☐ 420

☐ 520

☒ 620

✗

☐ 720

Correct answer

☒ 520



✓ 6 men and 8 women can do as much work in a given time as 3 men and $13\frac{1}{2}$ women. The capacities of a man and a woman are in the ratio

- ☐ 3:8
- ☐ 3:5
- ☒ 5:3
- ☐ 5:8



✓ If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number. 1/1

- ☐ 2:5
- ☐ 2:7
- ☐ 5:7
- ☒ 5:3



✓ If $a:b = 2:3$ and $b:c = 4:3$, then find $a:b:c$ 1/1

- ☒ 8:12:9
- ☐ 2:3:8
- ☐ 2:3:9
- ☐ 2:3:12



✓ The sum of three numbers is 98. If the ratio of the first to second is 2 :3 1/1
and that of the second to the third is 5 : 8, then the second number is:

- ☐ 20
- ☒ 30
- ☐ 48
- ☐ 58



✓ The sum of three numbers is 98. If the ratio of the first to the second is 2:3 1/1
and that of the second to the third is 5:8, then the second number is

- ☐ 10
- ☐ 17
- ☐ 25
- ☒ 30



✓ If $2 : 9 :: x : 18$, then find the value of x 1/1

- ☐ 2
- ☐ 3
- ☒ 4
- ☐ 6





1/1

In a mixture 60 litres, the ratio of milk and water 2 : 1. If this ratio is to be 1 : 2, then the quantity of water to be further added is:

- ☐ 20 litres
- ☐ 30 litres
- ☐ 40 litres
- ☒ 60 litres



0/1

If $0.75 : x :: 5 : 8$, then x is equal to:

- ☒ 1.12
- ☐ 1.2
- ☐ 1.25
- ☐ 1.30



Correct answer

- ☒ 1.2





0/1

A and B together have Rs. 1210. If of A's amount is equal to of B's amount, how much amount does B have?

- ☐ Rs. 460
- ☐ Rs. 484
- ☒ Rs. 550
- ☐ Rs. 664



Correct answer

- ☒ Rs. 484



If $A:B = 2:3$, $B:C = 4:5$ and $C:D = 6:7$, then find the value of $A:B:C:D$

1/1

- ☐ 15:24:30:35
- ☒ 16:24:30:35
- ☐ 17:24:30:35
- ☐ 18:24:30:3



In a bag, there are coins of 25 p, 10 p and 5 p in the ratio of $1 : 2 : 3$. If there is Rs. 30 in all, how many 5 p coins are there?

1/1

- ☐ 50
- ☐ 100
- ☒ 150
- ☐ 200



✗ The ratio of the number of boys and girls in a college is 7 : 8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?

0/1

- ☐ 8 : 9
- ☐ 17 : 18
- ☐ 21 : 22
- ☒ Cannot be determined

✗

Correct answer

- ☒ 21 : 22

✓ Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is: 1/1

- ☐ 2 : 5
- ☐ 3 : 5
- ☒ 4 : 5
- ☐ 6 : 7

✓



✗ A and B together have Rs. 1210. If $\frac{4}{15}$ of A's amount is equal to $\frac{2}{5}$ of B's amount. How much amount B have 0/1

☐ Rs 484

☐ Rs. 480

☒ Rs 478

☐ Rs 470

✗

Correct answer

☒ Rs 484

✓ The salaries A, B, C are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries? 1/1

☐ 3 : 3 : 10

☐ 10 : 11 : 20

☒ 23 : 33 : 60

☐ Cannot be determined

✓



✗ Two number are in the ratio 3 : 5. If 9 is subtracted from each, the new numbers are in the ratio 12 : 23. The smaller number is: 0/1

☐ Option 1

☒ 27

✗

☐ 33

☐ 49

☐ 55

Correct answer

☒ 33

✗ The fourth proportional to 5, 8, 15 is: 0/1

☒ 18

✗

☐ 24

☐ 19

☐ 20

Correct answer

☒ 24



✗ Salaries of Ravi and Sumit are in the ratio 2 : 3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40 : 57. What is Sumit's salary? 0/1

- ☐ Rs. 17,000
- ☒ Rs. 20,000
- ☐ Rs. 25,500
- ☐ Rs. 38,00

✗

Correct answer

- ☒ Rs. 38,00

✗ Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats? 0/1

- ☐ 2 : 3 : 4
- ☐ 6 : 7 : 8
- ☒ 6 : 8 : 9
- ☐ None of these

✗

Correct answer

- ☒ 2 : 3 : 4



✗ The salaries of A, B and C are of ratio 2:3:5. If the increments of 15%, 10% and 20% are done to their respective salaries, then find the new ratio of their salaries. 0/1

☐ 20:33:60

☐ 21:33:60

☒ 22:33:60

☐ 23:33:60

✗

Correct answer

☒ 23:33:60

✓

1/1

If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?

☐ 2 : 5

☐ 3 : 7

☒ 5 : 3

☐ 7 : 3

✓





1/1

A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share?

- ☐ Rs. 500
- ☐ Rs. 1500
- ☒ Rs. 2000
- ☐ None of these



✗ Rs. 120 are divided among A, B, C such that A's share is Rs. 20 more than B's and Rs. 20 less than C's. What is B's share 0/1

- ☐ Rs 10
- ☐ Rs 20
- ☒ Rs 24
- ☐ Rs 28



Correct answer

- ☒ Rs 20





0/1

If Rs. 782 be divided into three parts, proportional to $1\frac{1}{2} : 2\frac{1}{3} : 3\frac{1}{4}$ then the first part is:

- ☐ Rs. 182
- ☐ Rs. 190
- ☒ Rs. 196
- ☐ Rs. 204



Correct answer

- ☒ Rs. 204



Salaries of Ravi and Sumit are in the ratio 2:3. If the salary of each is increased by Rs 4000, the new ratio becomes 40:57. What is Sumit present salary.

0/1

- ☐ 32000
- ☒ 34000
- ☐ 38000
- ☐ 40000



Correct answer

- ☒ 38000



✗ There are two numbers and their ratio is 3 : 9. If we subtract 9 from both numbers then their ratio becomes 12 : 13, what is value is smaller number ? 0/1

☐ 23

☒ 27

☐ 31

☐ 33

Correct answer

☒ 33

✗

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