

APTITUDE QUIZ

Q.1. A and B started a business by investing Rs. 36,000 and RS. 63,000. Find the share of each, out of the annual profit of Rs. 5500.

- (A) Rs. 2000, Rs. 3500
- (B) Rs. 2500, Rs. 3500
- (C) Rs. 3500, Rs. 2500
- (D) None of these

ANSWER: A

Q.2. A starts some business with Rs. 50,000. After 3 months B joins him with Rs. 70,000. At the end of the year. In what ratio should they share the profit ?

- (A) 1 : 3
- (B) 3 : 2
- (C) 1 : 5
- (D) None of these

ANSWER: D

Q.3. A started a business by investing Rs. 36,000. After 4 month B joined him with some investment. At he end of the year, the total profit was divided between them in the ratio of 9:7. How much capital was invested by B in the business?

- (A) Rs. 40,000
- (B) Rs. 42,000
- (C) Rs. 41,000
- (D) None of these

ANSWER: B

Q.4. A started some business with RS 26,000. After 3 month B joined him with Rs. 16,000. After some more time C joined them with Rs. 25,000. At he end of the year, out of a total profit of Rs.15,453 C gets Rs. 3825 as his share. How many month after B joined the business did C join?

- (A) 3
- (B) 4
- (C) 5
- (D) None of these

ANSWER: A

Q.5. A, B and C started a business with their investment in the ratio 1 : 2 : 4. After 6 month A invested the half amount more as before and B invested same the amount as before while C withdrew $\frac{1}{4}$ of the their investment. Find the ratio of their profits at the end of the year.

- (A) 5 : 12 : 13
- (B) 5 : 11 : 14
- (C) 5 : 12 : 14
- (D) None of these

ANSWER: C

Q.6. A started a business with Rs. 52,000 and after 4 months B joined him with Rs. 39,000. At the end of the year, out of the total profit B received total 20,000 including 25% of the profit as commission for managing the business. What amount did A receive?

- (A) Rs. 20,000
- (B) Rs. 10,000
- (C) Rs. 15,000
- (D) None of these

ANSWER: A

Q.7. A working partner get 20% as his commission of the profit after his commission is paid. If the working partner's commission is Rs. 8000, Then what is the total profit in the business?

- (A) Rs. 47,000
- (B) Rs. 45,000
- (C) Rs. 48,000
- (D) None of these

ANSWER: C

Q.8. Sharma Reader publication makes a profit of 9,00,000, 20% of which is paid as taxes. If the rest is divided among the partners P Q and R in the ratio of 1: $\frac{3}{2}$: 2, then the shares of P, Q and R are respectively:

- (A) Rs. 2,40,000; Rs. 3,20,000; Rs. 1,60,000
- (B) Rs. 3,20,000; Rs. 2,40,000; Rs. 1.60,000
- (C) Rs. 1,60,000; Rs. 3,20,000; Rs. 2,40,000
- (D) Rs. 1,60,000; Rs. 2,40,000; Rs. 3,20,000

ANSWER: D

Q.9. We have to divide a sum of Rs. 13,950 among three person A, B and C. B must get the double of A's share and C must get Rs. 50 less than the double of B's share. The share of A will be :

- (A) Rs. 1950
- (B) Rs. 1981.25
- (C) Rs. 2000
- (D) Rs. 2007.75

ANSWER: C

Q.10. A started business with Rs. 45,000 and B joined after ward with 30,000. If the profit at the end of a year was divided in the ratio 2 : 1 respectively, then B would have joined A for business after.

- (A) 1 month
- (B) 2 month
- (C) 3 month
- (D) 4 month

ANSWER:C

Q.11. Out of 10 teachers of a school, one teacher retires and in place of him a new teacher 25 yrs. old joins. As a result of it average age of the teachers reduces by 3 yrs. Age of the retired teacher (in yrs.) is.

- (A) 55
- (B) 65
- (C) 45
- (D) 75

ANSWER:A

Q.12. The average weight of 20 students in a class is increased by 0.75 kg when one student of 35 kg replaced by a new student weight of the new student (in kg) is:

- (A) 35
- (B) 40
- (C) 45
- (D) 50

ANSWER:D

Q.13. In a class, three are 40 boys and their age is 16 years. One boy, aged 17 years, leaving the class and another joining, the average age becomes 15.875 years. The age of the new boy is :

- (A) 12 years
- (B) 14.5 years
- (C) 15 years
- (D) 17 years

ANSWER:A

Q.14. The average age of 8 men is increased by 2 years when two of them whose age are 21 and 23 years replaced by two new men. The age of the two new men is :

- (A) 22 years
- (B) 24 years
- (C) 28 years
- (D) 30 years

ANSWER:D

Q.15. The average age of 30 boys in a class is 15 years. One boy, aged 20 years, left the class, but two new boys came in his place whose age differs by 5 years. If the average of all the boys now in the class becomes 15 years, the age of the younger newcomer is:

- (A) 20 years
- (B) 15 years
- (C) 10 years
- (D) 8 years

ANSWER:B

Q.16. The average marks of 32 boys of section A of class X is 60 whereas the average marks of 40 boys of section B of class X is 33. The average marks for both the sections combined together is

- (A) 44
- (B) 45
- (C) 46
- (D) 45

ANSWER:B

Q.17. A man bought 13 articles at Rs. 70 each, 15 at Rs. 60 each and 12 at Rs. 65 each. The average price per article is

- (A) Rs. 60.25
- (B) Rs. 64.75
- (C) Rs. 65.75
- (D) Rs. 62.25

ANSWER:B

Q.18. A fruit seller sold big, medium and small sized apples for Rs. 15, Rs. 10, and Rs. 5 respectively. The total number of apples sold were in the ratio 3 : 2 : 5. Find the average cost of an apple.

- (A) 8
- (B) 10
- (C) 9
- (D) 7

ANSWER:C

Q.19. A man purchased 7 bags of rice at the rate of Rs. 800 each, 8 bags of rice at Rs. 1000 each and 5 bag of rice at the rate of Rs. 1200 each. What is the average cost of one bag of rice?

- (A) Rs. 1000
- (B) Rs. 980
- (C) Rs. 1120
- (D) Rs. 1050

ANSWER:B

Q.20. Three Science classes A, B and C take a Life Science test. The average score of class B is 76. The average score of class A and B is 79 and average score of class B and C is 81, Then the average score of class A, B and C is

- (A) 80
- (B) 81
- (C) 80.5
- (D) 81.5

ANSWER: D