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SSC / BANK

APTITUDE QUIZ

1.The average of the marks obtained in an examination by 8 students was 51 and by 9 other students was 68. The average marks of all 17 students was:
(A) 59
(B) 59.5
(C) 60
(D) 60.5
ANSWER: C

2.A library has an average number of 510 visitors on Sunday and 240 on other days. The average number of visitors per day in a month of 30 days beginning with Sunday is:
(A) 300
(B) 290
(C) 285
(D) 295
ANSWER: C

3.12 kg of rice costing 30 per kg is mixed with 8 kg of rice costing 40 per kg. The average per kg price of mixed rice is
(A) 35
(B) 34
(C) 38
(D) 37
ANSWER: B

4.A can do a piece of work in 10 days and B can do it in 15 days. They work together for 5 days, the rest of the work is finished by C in two more days. If they got ₹ 6000 as wages for the whole work, then find the daily wages of A, B and C.
(A) 600, 400, 500
(B) 400,600 , 800
(C) 400, 500, 600
(D) None of these
ANSWER: A

5.A goldsmith observes that one of his employees prepares a necklace in 9 hours, while another employee prepares it in 10 hours. If they work together,

they stud 10 gems less every hour and thus prepare a necklace in 5 hours, then the number of gems studded in each necklace is:

(A) 1200
(B) 1000
(C) 800
(D) 900
ANSWER: D

6.P and Q can do a piece of work in 12 days, Q and R can do a piece of work in 15 days and R and P can do a piece of work in 20 days. Q alone can do the whole work in

(A) 25 days
(B) 30 days
(C) 20 days
(D) 24 days
ANSWER: C

7. If A:B:C=2:3:4, then the ratiowill be

(A) 8:9:16

(B) 8:9:12

(C) 8:9:24

(D) 4:9:16

ANSWER: C

8.If the compound ratio of [(3a + 2b) : 3] and [1 : (3a + b)] is 1 : 2, find the ratio a : b.

(A) 1 : 4
(B) 1 : 6
(C) 1 : 2
(D) 1 : 3
ANSWER: D

9.Find the mean proportional between 8 and 98.

(A) 112
(B) 28
(C) 16

(D) 53
ANSWER: C

10.The cost price of a book is ₹110 and the selling price is ₹123.20. What percent profit will the bookseller make on selling it?
(A) 11%
(B) 12%
(C) 13%
(D) 14%
ANSWER: B

11.The ratio of the age of a son and father is 1: 4. After 9 years, the ratio will be 2: 5. What is the present age (in years) of the son?
(A) 10
(B) 8
(C) 9
(D) 12
ANSWER: C

12.Find the mean proportional between 8 and 98.
(A) 112
(B) 28
(C) 16
(D) 53
ANSWER: C

13.7500 is divided among A, B and C in such a way that the ratio of the parts of A and B is 5:2 and that of B and C is 7:13. How much amount will B get?
(A) Rs. 1400
(B) Rs. 3500
(C) Rs.2600
(D) Rs.7000
ANSWER: A

14.The sum of the squares of three numbers is 532 and the ratio of the second and also of the second to the third is 3 : 2 . What is the second number?
(A) 10
(B) 8
(C) 12

(D) 14
ANSWER: C

15.The ratio of the length of the parallel sides of a trapezium is 3: 2. The shortest distance between them is 15 cm. If the area of the trapezium is 450 cm.2, the semi-sum of the length of the parallel sides is

(A) 20 cm
(B) 30 cm
(C) 60 cm
(D) 120 cm
ANSWER: B

16.The sum of squares of three numbers is 532. And the ratio of first to the second as also of the second to the third is 3:2. What is the second number?
(A) 10
(B) 12
(C) 11
(D) 14
ANSWER: B

17.In bag there are coins of 25 paisa, 50 paisa and 1 rupee in the ratio of 3 : 4 : 5. If there are in all Rs.31, then how many 1 rupee coins are there in the bag?

(A) 12

(B) 16

(C) 24

(D) 20

ANSWER: D

18.The ratio of the number of boys and girls in a college is 6 : 7. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?
(A) 72 : 77
(B) 35 : 36
(C) 36 : 35
(D) 77 : 72

ANSWER: A

19.The ages of Shyam and Mohan are in the ratio of 11: 13 respectively after 7 years the ratio of their ages will be 20: 23. What is the difference in years between their ages?

(A) 4 years
(B) 7 years
(C) 6 years
(D) 5 years
ANSWER: C

20.In a garden, the ratio of the number of coconut trees to that of mango trees is 5:6 respectively. If the total number of trees is 121, then how many coconut trees are there in the garden?

(A) 50
(B) 45
(C) 56
(D) 55
ANSWER: D