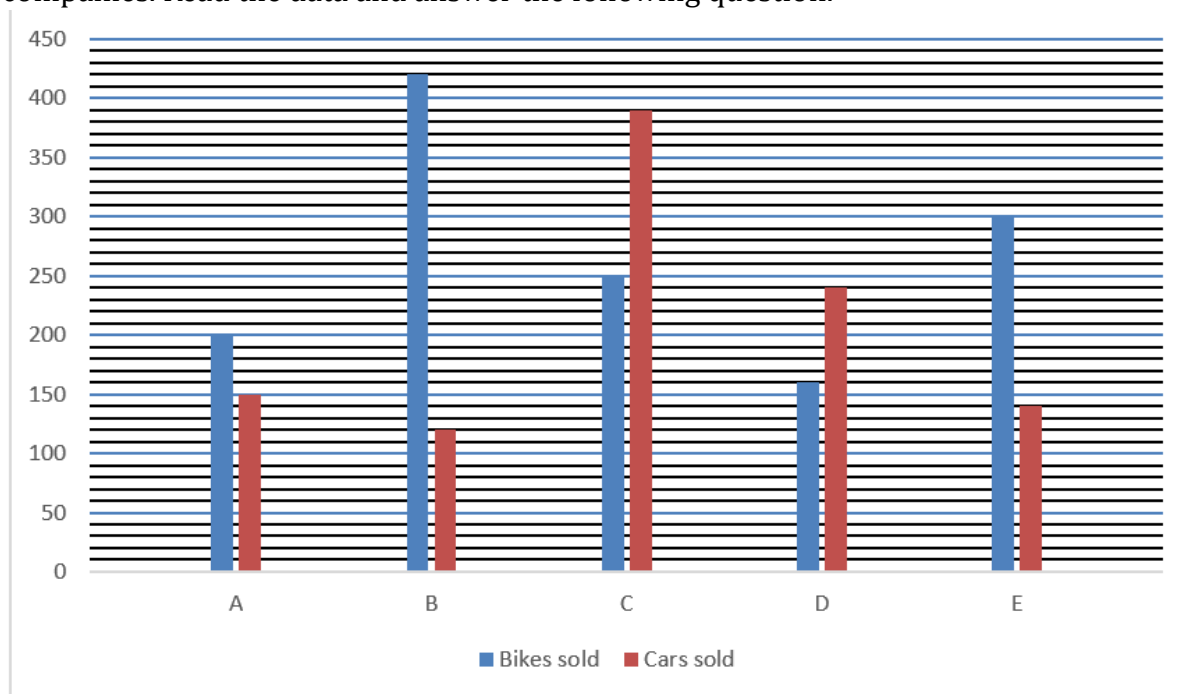


IBPS SO PRELIMS QUANT MEMORY BASED PAPER 29 Aug 2026

Directions (1-5): The bar graph given below shows the total number of bike and car sold by five companies. Read the data and answer the following question.



Q1. Find the ratio of bikes sold by A and B together to cars sold by D.

- (a) 7:9
- (b) 13:12
- (c) 12:13
- (d) 61:62
- (e) 31:12

Ans.(b)

Q2. If the ratio of sold to unsold bikes in D is 1:2, then find the total (sold + unsold) bikes in D

- (a) 420
- (b) 480
- (c) 400
- (d) 450
- (e) 410

Ans.(b)

Q3. Out of the total Cars sold by B, 25% of the cars are defective. Find the non-defective cars sold by B is what percentage of total bike sold by C.

- (a) 37%
- (b) 33%
- (c) 31%
- (d) 26%
- (e) 36%

Ans.(e)

Q4. Average number of bikes sold by all the companies.

- (a) 266
- (b) 113
- (c) 166
- (d) 176
- (e) 196

Ans.(a)

Q5. If company F sold 20% more bikes than A and 30% less cars than E, then find the sum of total number of bikes and cars sold by F

- (a) 266
- (b) 333
- (c) 366
- (d) 376
- (e) 338

Ans.(e)

Q6. Find the graduated boys in A and B.

Read the information and answer the following question.

The information is about the boys and girls in two colleges A and B. The ratio of girls in A and B is 2:1. Boys in A is 50, which is 25% of the girls in that college. Total boys in both the colleges is 50 less than total girls. 25% of the girls in A are post graduates and remaining are graduates and total post graduate students in A are 90 . Total graduate students in both the colleges is 200. ratio of graduate girls to graduate boys in B is 1:1. (total students = girl + boy, girl/boys = post graduated + graduated)

- (a) 10
- (b) 20
- (c) 30
- (d) 40
- (e) 50

Ans.(c)

Q7. Graduated girls in B are what percentage of graduate boys in A?

Read the information and answer the following question.

The information is about the boys and girls in two colleges A and B. The ratio of girls in A and B is 2:1. Boys in A is 50, which is 25% of the girls in that college. Total boys in both the colleges is 50 less than total girls. 25% of the girls in A are post graduates and remaining are graduates and total post graduate students in A are 90 . Total graduate students in both the colleges is 200. ratio of graduate girls to graduate boys in B is 1:1. (total students = girl + boy, girl/boys = post graduated + graduated)

- (a) 125
- (b) 126
- (c) 100
- (d) 200
- (e) 150

Ans.(d)

Q8. Find the difference between graduate and post graduate students in both the schools.

Read the information and answer the following question.

The information is about the boys and girls in two colleges A and B. The ratio of girls in A and B is 2:1. Boys in A is 50, which is 25% of the girls in that college. Total boys in both the colleges is 50 less than total girls. 25% of the girls in A are post graduates and remaining are graduates and total post graduate students in A are 90. Total graduate students in both the colleges is 200. ratio of graduate girls to graduate boys in B is 1:1. (total students = girl + boy, girl/boys = post graduated + graduated)

(a) 125

(b) 126

(c) 100

(d) 200

(e) 150

Ans.(e)

Q9. The average age of 8 students is 18 years. If the ages of two students, whose ages are 16 years and 20 years, are replaced by two new students, the average age of the group increases by 2 years. If the age of one new student is 4 years more than the age of the other, find the age of the younger new student.

(a) 22 years

(b) 23 years

(c) 24 years

(d) 25 years

(e) 26 years

Ans.(c)

Q10. A shopkeeper marks an article 50% above its cost price. He offers two successive discounts of 20% and 10% on the marked price and earns a profit of Rs 32. If he instead offers a single discount of 20% on the same marked price, what would be his profit?

(a) Rs 60

(b) Rs 70

(c) Rs 80

(d) Rs 90

(e) Rs 100

Ans.(c)

Q11. A, B and C started a business together. A invested Rs 5,000 for 12 months, while B invested Rs 8,000 for 12 months. C joined the business after 8 months with an investment of Rs X. If the total profit earned at the end of the year was Rs 5,600 and A received Rs 1,750 as his share of the profit, find the value of X.

(a) 6,000

(b) 7,000

(c) 8,000

(d) 9,000

(e) 10,000

Ans.(d)

Q12. The numerator and denominator of a fraction are in the ratio 5 : 7. If 1 is added to the numerator and 1 is subtracted from the denominator, the resulting fraction becomes $\frac{3}{4}$. Find the product of the numerator and denominator.

- (a) 1715
- (b) 1615
- (c) 1815
- (d) 1515
- (e) 1915

Ans.(a)

Q13. A train moving at 72 km/h crosses a man walking in the same direction at 12 km/h in 24 seconds. If the man instead walks in the opposite direction at 8 km/h, how much time will the train take to cross him?

- (a) 18 seconds
- (b) 20 seconds
- (c) 22 seconds
- (d) 24 seconds
- (e) 26 seconds

Ans.(a)

Q14. A person spends 12% of his monthly income on food and 18% of the remaining amount on travelling. He then spends 25% of the amount left after travelling on rent. If he saves Rs 21,648 per month, find his monthly income.

- (a) Rs 32,000
- (b) Rs 35,000
- (c) Rs 40,000
- (d) Rs 42,000
- (e) Rs 44,000

Ans.(c)

Q15. A man invested Rs P at 10% p.a. compound interest for 2 years and received amount of Rs 5,445. If he had invested Rs (P + 800) at 20% p.a. compound interest for 3 years, then find the compound interest earned in 3 years.

- (a) Rs 3858.4
- (b) Rs 3554.2
- (c) Rs 3124.6
- (d) Rs 3778.4
- (e) Rs 3864.1

Ans.(a)

Q16. 76, 80, 400, 406, 2840, 2850, 25650

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 76
- (b) 80
- (c) 400
- (d) 2840
- (e) 2850

Ans.(d)

Q17. 43, 45, 51, 63, 81, 113, 155

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 43
- (b) 51
- (c) 63
- (d) 81
- (e) 155

Ans.(d)

Q18. 13, 180, 303, 384, 433, 458, 467

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 303
- (b) 13
- (c) 180
- (d) 384
- (e) 458

Ans.(c)

Q19. 8, 12, 44, 86, 260, 518, 1556

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 8
- (b) 44
- (c) 86
- (d) 260
- (e) 12

Ans.(e)

Q20. 12, 30, 15, 45, 22.5, 67.5, 33.75

In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

- (a) 12
- (b) 30
- (c) 15
- (d) 45
- (e) 22.5

Ans.(a)

Q21. What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

$$21.02^2 + \frac{19}{23} \times 45.99 + 1.01 = \sqrt{?} \times 30$$

- (a) 196
- (b) 484
- (c) 256
- (d) 144
- (e) None of these

Ans.(c)

Q22. What approximate value will come in place of question mark (?) in the following question. (You are not expected to calculate the exact value)

$$\frac{19.09}{80.02} \times \frac{399}{20.1} = ? - 0.40 \times 299$$

- (a) 110
- (b) 125
- (c) 85
- (d) 235
- (e) 335

Ans.(b)

Q23. What approximate value should come in place of the question mark (?) in the following questions?

$$\frac{3.011}{4.99} \times \frac{9.021}{19.03} \times ? \times 64.99 = (11.023)^3 + 72.989$$

- (a) 76
- (b) 85
- (c) 82
- (d) 71
- (e) 88

Ans.(a)

Q24. Find the approximate value of question marks (?) in following questions?

$$(14.99)^2 - (7.01)^2 + (4.99)^3 = ?$$

- (a) 250
- (b) 200
- (c) 150
- (d) 300
- (e) 350

Ans.(d)

Q25. What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value)

$$\sqrt{144.04} \times 15\% \text{ of } 120.09 = ? - 54.99 \times 3.03$$

- (a) 401
- (b) 431
- (c) 341
- (d) 471
- (e) 381

Ans.(e)