

IBPS RRB Clerk Mains Quantitative Aptitude 2020 Memory Based

Q1. Find the average number of female in building B, C and E?

Answer the following question based on the given information.

A, B, C, D, and E are five building in which the distribution of male and female in the month of January is given. In 1st column sum of male and female is given and in 2nd column ratio of male and female is given.

Note: neither any person left nor any person came to live in January.

Building	Sum of number of male and female	Male : Female
A	80	5:3
B	110	15:7
C	120	11:13
D	100	3:2
E	105	11:10

(a) 60

(b) 70

(c) 50

(d) 40

(e) 20

Ans.(c)

Q2. In February 20% male of building C left the building and no person came to live in building C. If the ratio of male and female in February in building C is 4:5, then find the number of female who left the building C in February?

Answer the following question based on the given information.

A, B, C, D, and E are five building in which the distribution of male and female in the month of January is given. In 1st column sum of male and female is given and in 2nd column ratio of male and female is given.

Note: neither any person left nor any person came to live in January.

Building	Sum of number of male and female	Male : Female
A	80	5:3
B	110	15:7
C	120	11:13
D	100	3:2
E	105	11:10

(a) 5

(b) 8

(c) 12

(d) 10

(e) 15

Ans.(d)



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Q3. There is another building F in which number of people live are 20% more than the number of people live in building A. In building F there are 10 flats in which 2 people live in each flat, 10 flat in which 3 people live in each flat, 5 flat in which 4 people live in each flat and in remaining flat there is 1 person live in each flat. Find total number of flat in building F?

Answer the following question based on the given information.

A, B, C, D, and E are five building in which the distribution of male and female in the month of January is given. In 1st column sum of male and female is given and in 2nd column ratio of male and female is given.

Note: neither any person left nor any person came to live in January.

Building	Sum of number of male and female	Male : Female
A	80	5:3
B	110	15:7
C	120	11:13
D	100	3:2
E	105	11:10

(a) 51

(b) 67

(c) 82

(d) 98

(e) 47

Ans.(a)

Q4. Number of females in building D is what % more/less than number of females in building E?

Answer the following question based on the given information.

A, B, C, D, and E are five building in which the distribution of male and female in the month of January is given. In 1st column sum of male and female is given and in 2nd column ratio of male and female is given.

Note: neither any person left nor any person came to live in January.

Building	Sum of number of male and female	Male : Female
A	80	5:3
B	110	15:7
C	120	11:13
D	100	3:2
E	105	11:10

(a) 15%

(b) 20%

(c) 25%

(d) 10%

(e) 7.5%

Ans.(b)

Q5. Ratio of number of people in building E and building G is 21:24 and number of male in building G is $\frac{2}{3}$ rd of number of female in building G. Find the number of male in building G?

Answer the following question based on the given information.

A, B, C, D, and E are five building in which the distribution of male and female in the month of January is given. In 1st column sum of male and female is given and in 2nd column ratio of male and female is given.

Note: neither any person left nor any person came to live in January.

Building	Sum of number of male and female	Male : Female
A	80	5:3
B	110	15:7
C	120	11:13
D	100	3:2
E	105	11:10

(a) 63

(b) 18

(c) 27

(d) 48

(e) 54

Ans.(d)

Q6. Number of male in February in building A is equal to the average number of male in January in building B and building C and number of female in Feb in building A is 5 more than the number of male in Feb in that building. Find the number of people in Feb in building A?

Answer the following question based on the given information.

A, B, C, D, and E are five building in which the distribution of male and female in the month of January is given. In 1st column sum of male and female is given and in 2nd column ratio of male and female is given.

Note: neither any person left nor any person came to live in January.

Building	Sum of number of male and female	Male : Female
A	80	5:3
B	110	15:7
C	120	11:13
D	100	3:2
E	105	11:10

(a) 140

(b) 95

(c) 135

(d) 120

(e) 100

Ans.(c)

Q7. A, B, and C started a business. Investment of B is twice of investment of A and investment of C is equal to the sum of investment of A and B. Time of investment of B is twice of time of investment of A. Investment time of C is 6 month less than the investment time of B. If ratio of profit share of B and C is 8:3, then find for how many months did A invest?

- (a) 6 months
- (b) 2 months
- (c) 4 months
- (d) 3 months
- (e) Can't be determined

Ans.(c)

Q8. Age of A, 6years ago is equal to the age of B 18 years ago. Age of A, 18 years ago is equal to the present age of C. If D is 8 years older than C, then find how many years B is older/younger than D?

- (a) 22 years younger
- (b) 22 years older
- (c) 26 years older
- (d) 26 years younger
- (e) 30 years younger

Ans.(b)

Q9. Raj invested some amount in two scheme. Scheme A (gives 10% p.a. at simple interest) and scheme B (gives 10% p.a. at compound interest). Raj invested Rs.500 more in scheme B than in scheme A. After 2 year amount received from scheme B is Rs. 620 more than amount received from scheme A. Find the amount invested by Raj in scheme B?

- (a) Rs. 3,000
- (b) Rs. 2,400
- (c) Rs. 1,200
- (d) Rs. 1,800
- (e) Rs. 2,000

Ans.(e)

Q10. Length of floor is 3 feet more than breadth of floor. Even after length is increased by 3 feet and breadth is reduced by 2 feet, area remains unchanged. Find the area of the floor (in sq. feet)?

- (a) 58
- (b) 180
- (c) 126
- (d) 70
- (e) 212

Ans.(b)

Q11. P, Q and R is positive number in which $P = \frac{Q^2}{R}$. If Q is 20% increased and R is 60% increased, then which of the following option is true?

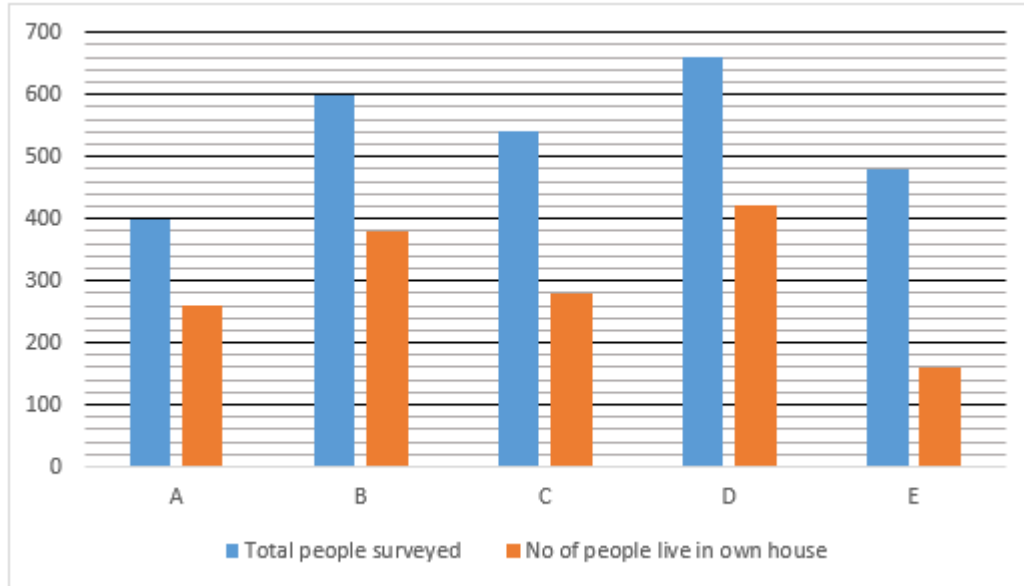
- (a) None
- (b) P is unchanged
- (c) P is 10% increased
- (d) Can't be determined
- (e) P is 10% decreased

Ans.(e)

Directions (12-17): Answer the following question based on the given information.

Given bar graph shows the total number of people surveyed in five cities A, B, C, D and E and the number of people lived in their own house out of them.

(Note: Total people surveyed = people live in their own house + people live in rent house)



Q12. Ratio of male and female in city B is 8:7. If 40% of the female live in rent house, then find the % of male in city B live in rent house out of the total surveyed people in city B?

- (a) 18%
- (b) 20%
- (c) 15%
- (d) 12.5%
- (e) 25%

Ans.(a)

Q13. Number of people live in rent in city D are what % more than the number of people live in rent in city A? (Approximately)

- (a) 45%
- (b) 64%
- (c) 85%
- (d) 71%
- (e) 56%

Ans.(d)

Q14. In city A, people who live in rent house, 15% people live in kuccha house and remaining live in pucca house. Find the difference between number of people who live in their own house in city A and the number of people live in rent in pucca house in city A?

- (a) 89
- (b) 76
- (c) 148

- (d) 86
(e) 141

Ans.(e)

Q15. People live in rent in city F is equal to the sum of $\frac{2}{3}$ rd of people live in rent in city D and $\frac{3}{8}$ th of people live in rent in city E. If the people live in their own house in city F are 10% more the people live in rent in city F, then find the number of people surveyed in city F?

- (a) 588
(b) 598
(c) 578
(d) 548
(e) 568

Ans.(a)

Q16. People live in their own house in city C are living in flat, villa and bungalow only. Ratio of people live in flat and villa in city C among the people in their own house is 17:1 and the ratio of people live in villa and bungalow in city C among the people live in their own house is 3:2. Find the number of people live in villa in city C among the people live in their own house?

- (a) 35
(b) 25
(c) 18
(d) 11
(e) 15

Ans.(e)

Q17. Among the people surveyed in city B. 100 people live in municipal zone and the rest is live in residential zone, commercial zone and industrial zone. Number of people live in residential zone is 60 more than the number of people live in commercial zone. Find the maximum possible number of people live in the residential zone? (Note: atleast 1 person live in each zone).

- (a) 189
(b) 259
(c) 279
(d) 219
(e) 289

Ans.(c)

Q18. Navya spends $\frac{1}{4}$ th of her salary on EMI and $\frac{2}{5}$ th of the remaining on monthly bill and the rest is divided between her mother and father in the ratio of 3:2. If the difference between the EMI and the amount of mother is Rs. 840, then find the monthly salary of the Navya?

- (a) Rs. 42,000
(b) Rs. 60,000
(c) Rs. 25,000
(d) Rs. 32,000
(e) Rs. 55,000

Ans.(a)

Q19. There are 3 jars A, B and C of the same capacity. A is filled with $\frac{1}{2}$ of its capacity, B is filled with $\frac{1}{3}$ of its capacity and C is empty. If the liquid from jar A and jar B is divided between A, B, and C equally, then find the portion of jar C is filled?

- (a) $\frac{7}{18}$
- (b) $\frac{5}{18}$
- (c) $\frac{5}{7}$
- (d) $\frac{5}{9}$
- (e) $\frac{3}{14}$

Ans.(b)

Q20. Difference between the unit place and tens place of a two digit number is 5. If the number is multiplied by 4 and then decreased by 3 its digit is interchanged, then find the two digit number?

- (a) 27
- (b) 38
- (c) 16
- (d) 49
- (e) 50

Ans.(c)

Q21. Ram has a watch which costs Rs. 900. He marked his watch at certain price and given a certain discount. If the profit % and discount % of the watch is equal and the marked price of the watch is Rs.1100, then find the profit of the watch?

- (a) Rs. 45
- (b) Rs. 60
- (c) Rs. 120
- (d) Rs. 90
- (e) Rs. 200

Ans.(d)

Q22. For a construction of a 12 km road project there are 100 number of workers. The project should be completed in 15 days. 100 workers started the work and after 9 days, only 5km of project was completed. Find the number of extra worker required to complete the project on time?

- (a) 100
- (b) 110
- (c) 85
- (d) 124
- (e) 92

Ans.(b)

Q23. Had the number of burger sold by B on Sunday is 50% of the number of pizza sold by B on Sunday, then find the ratio between the number of burger sold by B on Monday and Sunday is?

Answer the following question based on the given information.

The data given below shows the information of Burger and pizza sold by two company A and B on Monday and Sunday. Number of burger sold by A on Monday is 20% more than the number of pizza sold

by A on Monday. Number of burger sold by A on Monday is equal to the number of burger sold by B on Monday. Number of pizza sold by B on Monday is half of the number of burger sold by B on Monday. Number of burger sold by A on Sunday is equal to the number of pizza sold by B on Sunday. Number of pizza sold by A on Sunday is 40 more than the number of burger sold by A on Sunday. Average number of pizza sold by A and B on Monday is 120 and average number of pizza sold by A and B on Sunday is 84.

- (a) 45:8
- (b) 8:45
- (c) 15:37
- (d) 37:15
- (e) None of these

Ans.(a)

Q24. Number of burgers sold by A on Sunday is what % of number of pizzas sold by A on Monday? (approx.)

Answer the following question based on the given information.

The data given below shows the information of Burger and pizza sold by two company A and B on Monday and Sunday. Number of burger sold by A on Monday is 20% more than the number of pizza sold by A on Monday. Number of burger sold by A on Monday is equal to the number of burger sold by B on Monday. Number of pizza sold by B on Monday is half of the number of burger sold by B on Monday. Number of burger sold by A on Sunday is equal to the number of pizza sold by B on Sunday. Number of pizza sold by A on Sunday is 40 more than the number of burger sold by A on Sunday. Average number of pizza sold by A and B on Monday is 120 and average number of pizza sold by A and B on Sunday is 84.

- (a) 48%
- (b) 43%
- (c) 55%
- (d) 31%
- (e) 59%

Ans.(b)

Q25. Number of veg burger sold by A on Sunday is 40% of the number of veg burgers sold by A on Monday. Number of non-veg burger sold by A on Sunday is 28 more than the number of veg burger sold by A on Sunday. Find the number of veg burger sold by A on Monday and Sunday together?

Answer the following question based on the given information.

The data given below shows the information of Burger and pizza sold by two company A and B on Monday and Sunday. Number of burger sold by A on Monday is 20% more than the number of pizza sold by A on Monday. Number of burger sold by A on Monday is equal to the number of burger sold by B on Monday. Number of pizza sold by B on Monday is half of the number of burger sold by B on Monday. Number of burger sold by A on Sunday is equal to the number of pizza sold by B on Sunday. Number of pizza sold by A on Sunday is 40 more than the number of burger sold by A on Sunday. Average number of pizza sold by A and B on Monday is 120 and average number of pizza sold by A and B on Sunday is 84.

- (a) 76
- (b) 51

(c) 40

(d) 63

(e) 82

Ans.(d)

Q26. Find the sum of burger and pizza sold by A on Monday?

Answer the following question based on the given information.

The data given below shows the information of Burger and pizza sold by two company A and B on Monday and Sunday. Number of burger sold by A on Monday is 20% more than the number of pizza sold by A on Monday. Number of burger sold by A on Monday is equal to the number of burger sold by B on Monday. Number of pizza sold by B on Monday is half of the number of burger sold by B on Monday. Number of burger sold by A on Sunday is equal to the number of pizza sold by B on Sunday. Number of pizza sold by A on Sunday is 40 more than the number of burger sold by A on Sunday. Average number of pizza sold by A and B on Monday is 120 and average number of pizza sold by A and B on Sunday is 84.

(a) 530

(b) 420

(c) 175

(d) 250

(e) 330

Ans.(e)

Q27. Find the difference between the number of pizza sold by A on Monday and number of pizza sold by B on Monday?

Answer the following question based on the given information.

The data given below shows the information of Burger and pizza sold by two company A and B on Monday and Sunday. Number of burger sold by A on Monday is 20% more than the number of pizza sold by A on Monday. Number of burger sold by A on Monday is equal to the number of burger sold by B on Monday. Number of pizza sold by B on Monday is half of the number of burger sold by B on Monday. Number of burger sold by A on Sunday is equal to the number of pizza sold by B on Sunday. Number of pizza sold by A on Sunday is 40 more than the number of burger sold by A on Sunday. Average number of pizza sold by A and B on Monday is 120 and average number of pizza sold by A and B on Sunday is 84.

(a) 10

(b) 20

(c) 35

(d) 60

(e) 55

Ans.(d)

Q28. Based on the given data which of the following statement is true?

(i) Number of burger sold by A on Sunday is 80% of the number of pizza sold by A on Sunday.

(ii) Number of burger sold by B on Monday is equal to the number of pizza sold by B on Sunday.

(iii) Sum of number of burger sold by A and B on Monday is equal to 360.

(iv) Number of pizza sold by B on Sunday is 6 more than the number of burger sold by B on Monday.

Answer the following question based on the given information.

The data given below shows the information of Burger and pizza sold by two company A and B on Monday and Sunday. Number of burger sold by A on Monday is 20% more than the number of pizza sold by A on Monday. Number of burger sold by A on Monday is equal to the number of burger sold by B on Monday. Number of pizza sold by B on Monday is half of the number of burger sold by B on Monday. Number of burger sold by A on Sunday is equal to the number of pizza sold by B on Sunday. Number of pizza sold by A on Sunday is 40 more than the number of burger sold by A on Sunday. Average number of pizza sold by A and B on Monday is 120 and average number of pizza sold by A and B on Sunday is 84.

- (a) Only (i) and (ii)
- (b) Only (i) and (iv)
- (c) Only (iii)
- (d) Only (i)
- (e) None is true

Ans.(c)

Q29. 1000, 992, 965, 901, 776, 556, 217

find the wrong number in the given series.

- (a) 992
- (b) 965
- (c) 901
- (d) 556
- (e) 217

Ans.(d)

Q30. 56, 70, 50, 64, 44, 60, 38

find the wrong number in the given series.

- (a) 70
- (b) 38
- (c) 60
- (d) 44
- (e) 64

Ans.(c)

Q31. 5, 16, 29, 46, 63, 88, 117

find the wrong number in the given series.

- (a) 16
- (b) 5
- (c) 29
- (d) 117
- (e) 63

Ans.(e)

Q32. 10, 6, 3.5, 5, 16, 120, 1904

find the wrong number in the given series.

- (a) 6
- (b) 10
- (c) 120
- (d) 1904
- (e) 5

Ans.(a)

Q33. 6, 17, 49, 149, 446, 1337, 4010

find the wrong number in the given series.

- (a) 17
- (b) 6
- (c) 446
- (d) 49
- (e) 4010

Ans.(d)

Q34. $14.998 \times 6.02 \times ? = 1979$

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

- (a) 56
- (b) 45
- (c) 31
- (d) 14
- (e) 22

Ans.(e)

Q35. $\sqrt{?} \times 8.01 + 4.99\% \text{ of } 239 = 52$

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

- (a) 16
- (b) 64
- (c) 25
- (d) 36
- (e) 49

Ans.(c)

Q36. $144.031 + 1449.02 + 39.06 = ?$

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

- (a) 1632
- (b) 1645
- (c) 1622

(d) 1640

(e) 1742

Ans.(a)

Q37.

$$\frac{(80\% \text{ of } 501 - 40.09)}{6.02} = ?$$

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

(a) 10

(b) 78

(c) 38

(d) 60

(e) 52

Ans.(d)

Q38.

$$\frac{(41.99 + 98.05)}{(12.01 - 4.98)} = ?$$

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

(a) 2

(b) 13

(c) 20

(d) 5

(e) 28

Ans.(c)

Q39.

$$\frac{446.89}{3} + 11.99 \times 4.01 = ?$$

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

(a) 197

(b) 186

(c) 156

(d) 129

(e) 105

Ans.(a)

Q40. Ami and Bindu sold a substance both marked the same price on the substance. Ami gives a successive discount of 20% and 16% and Bindu gives a successive discount 30% and 6%. Which of the following statement is true?

(i) Ami makes a profit of 32.8%.

(ii) Bindu offers better discount than Ami.

(iii) Selling price of substance by Ami is equal to the selling price of substance by Bindu.

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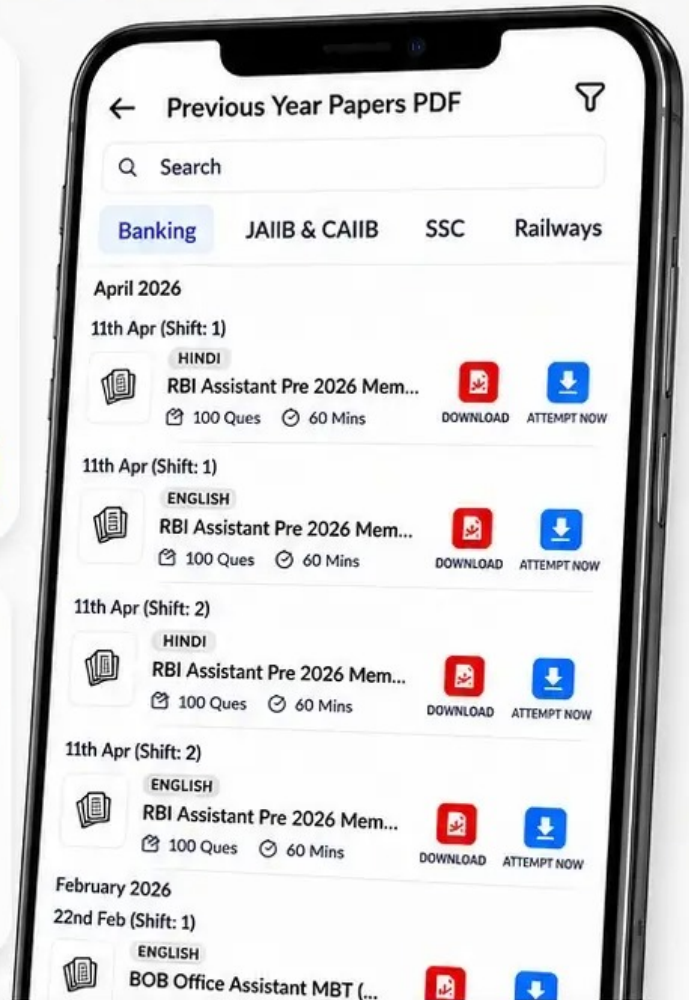
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-
- (iv) Bindu makes a loss.
(v) Ami offers better discount than Bindu.
(a) Only statement (ii) is true
(b) Statement (i) & (iii) is true
(c) Only statement (v) is true
(d) Statement (ii) & (iv) is true
(e) only statement (i) is true

Ans.(a)

