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Date Interpretation Info Chart Questions Quiz for Bank PO Exams.

DI Info Chart Quiz 3

Directions: Study the given information carefully to answer the questions.

In Pitampura area of Delhi, there are 1200 people living in five different apartments, viz Drishti, Paradise, Umang, Maurya and Kala Kunj. The number of males is 24 more than the number of females. One-fourth of the total number of population are in Umang apartment. 16% of the total number of population are living in Drishti apartment.

Maurya apartment has 50 people more than Drishti apartment. The ratio of the number of males to females is 3 : 1 in Drishti apartment. The number of people in Kala Kunj is 20 more than the number of people living in Drishti apartment.

There are equal numbers of males and females living in Maurya apartment. 50 percent of the population of Paradise Apartment are males. Three-fourths of the population of Kala Kunj apartment are females.

1. The total number of females in Drishti apartment and Kala Kunj apartment together are how much more/less than the total number of males in Paradise and Umang apartments together?

- A. 77 B. 97 C. 87 D. 107 E. None of these

2. What is the ratio of the number of people in Paradise apartment to the number of people in Kala Kunj apartment?

- A. 127 : 106 B. 106 : 127 C. 63 : 47 D. 64 : 63 E. None of these

3. The number of males in Umang apartment is what per cent of the total number of females of all five apartments together? (nearest to two digits after decimal)

- A. 30.40% B. 29.40% C. 28.40% D. 27.40% E. 26.40%

4. What is the ratio of the number of females in Paradise apartment to the number of males in Maurya apartment?

- A. 63 : 62 B. 121 : 127 C. 62 : 63 D. 127 : 121 E. None of these

5. What is the approximate average population of Paradise, Umang and Kala Kunj apartments together?

- A. 255 B. 250 C. 275 D. 245 E. 264

Correct Answers:

1	2	3	4	5
C	A	C	D	A

Explanations:

1. Let the number of females be x

So, the number of males = $x + 24$

According to the question,

$$x + x + 24 = 1200$$

$$\therefore x = 588$$

So, the number of females = 588

Number of males = $588 + 24 = 612$

$$\text{Total no. of population in Umang apartment} = \frac{1}{4} \times 1200 = 300$$

$$\text{Total no. of population in Drishti apartment} = \frac{16}{100} \times 1200 = 192$$

$$\text{Total no. of population in Maurya apartment} = 192 + 50 = 242$$

$$\text{Total no. of population in Kala kunj} = 192 + 20 = 212$$

$$\text{Total no. of population in Paradise} = 1200 - 300 - 192 - 242 - 212 = 254$$

$$\text{Now, the no. of males in Drishti apartment} = \frac{3}{4} \times 192 = 144$$

$$\text{No. of females in Drishti apartment} = \frac{1}{4} \times 192 = 48$$

$$\text{No. of males in Maurya apartment} = 121$$

$$\text{No. of females in Maurya apartment} = 121$$

$$\text{No. of males in Paradise apartment} = 127$$

$$\text{No. of females in Paradise apartment} = 127$$

$$\therefore \text{No. of females in Kala Kunj} = \frac{3}{4} \times 212 = 159$$

$$\text{No. of males in Kala Kunj} = 53$$

$$\therefore \text{Number of males in Umang} = 167$$

$$\text{Number of females in Umang} = 133$$

$$\text{Total no. of females in Drishti and Kala Kunj apartments} = 48 + 159 = 207$$

$$\text{Total number of males in Paradise and Umang apartments} = 127 + 167 = 294$$

$$\therefore \text{Difference} = 294 - 207 = 87.$$

Hence, option C is correct.

2. Let the number of females be x

So, the number of males = x + 24

According to the question,

$$x + x + 24 = 1200$$

$$\therefore x = 588$$

So, the number of females = 588

Number of males = 588 + 24 = 612

$$\text{Total no. of population in Umang apartment} = \frac{1}{4} \times 1200 = 300$$

$$\text{Total no. of population in Drishti apartment} = \frac{16}{100} \times 1200 = 192$$

$$\text{Total no. of population in Maurya apartment} = 192 + 50 = 242$$

$$\text{Total no. of population in Kala kunj} = 192 + 20 = 212$$

$$\text{Total no. of population in Paradise} = 1200 - 300 - 192 - 242 - 212 = 254$$

$$\text{Now, the no. of males in Drishti apartment} = \frac{3}{4} \times 192 = 144$$

$$\text{No. of females in Drishti apartment} = \frac{1}{4} \times 192 = 48$$

$$\text{No. of males in Maurya apartment} = 121$$

$$\text{No. of females in Maurya apartment} = 121$$

$$\text{No. of males in Paradise apartment} = 127$$

$$\text{No. of females in Paradise apartment} = 127$$

$$\therefore \text{No. of females in Kala Kunj} = \frac{3}{4} \times 212 = 159$$

$$\text{No. of males in Kala Kunj} = 53$$

$$\therefore \text{Number of males in Umang} = 167$$

$$\text{Number of females in Umang} = 133$$

$$\text{Reqd. ratio} = \frac{254}{212} = 127 : 106$$

Hence, option A is correct.

3. Let the number of females be x

So, the number of males = $x + 24$

According to the question,

$$x + x + 24 = 1200$$

$$\therefore x = 588$$

So, the number of females = 588

Number of males = $588 + 24 = 612$

$$\text{Total no. of population in Umang apartment} = \frac{1}{4} \times 1200 = 300$$

$$\text{Total no. of population in Drishti apartment} = \frac{16}{100} \times 1200 = 192$$

$$\text{Total no. of population in Maurya apartment} = 192 + 50 = 242$$

$$\text{Total no. of population in Kala kunj} = 192 + 20 = 212$$

$$\text{Total no. of population in Paradise} = 1200 - 300 - 192 - 242 - 212 = 254$$

$$\text{Now, the no. of males in Drishti apartment} = \frac{3}{4} \times 192 = 144$$

$$\text{No. of females in Drishti apartment} = \frac{1}{4} \times 192 = 48$$

$$\text{No. of males in Maurya apartment} = 121$$

$$\text{No. of females in Maurya apartment} = 121$$

$$\text{No. of males in Paradise apartment} = 127$$

$$\text{No. of females in Paradise apartment} = 127$$

$$\therefore \text{No. of females in Kala Kunj} = \frac{3}{4} \times 212 = 159$$

$$\text{No. of males in Kala Kunj} = 53$$

$$\therefore \text{Number of males in Umang} = 167$$

$$\text{Number of females in Umang} = 133$$

$$\text{Reqd. \%} = \frac{167}{588} \times 100 = 28.401\% \approx 28.40\%$$

Hence, option C is correct.

4. Let the number of females be x

So, the number of males = x + 24

According to the question,

$$x + x + 24 = 1200$$

$$\therefore x = 588$$

So, the number of females = 588

Number of males = 588 + 24 = 612

$$\text{Total no. of population in Umang apartment} = \frac{1}{4} \times 1200 = 300$$

$$\text{Total no. of population in Drishti apartment} = \frac{16}{100} \times 1200 = 192$$

$$\text{Total no. of population in Maurya apartment} = 192 + 50 = 242$$

$$\text{Total no. of population in Kala kunj} = 192 + 20 = 212$$

$$\text{Total no. of population in Paradise} = 1200 - 300 - 192 - 242 - 212 = 254$$

$$\text{Now, the no. of males in Drishti apartment} = \frac{3}{4} \times 192 = 144$$

$$\text{No. of females in Drishti apartment} = \frac{1}{4} \times 192 = 48$$

$$\text{No. of males in Maurya apartment} = 121$$

$$\text{No. of females in Maurya apartment} = 121$$

$$\text{No. of males in Paradise apartment} = 127$$

$$\text{No. of females in Paradise apartment} = 127$$

$$\therefore \text{No. of females in Kala Kunj} = \frac{3}{4} \times 212 = 159$$

$$\text{No. of males in Kala Kunj} = 53$$

$$\therefore \text{Number of males in Umang} = 167$$

$$\text{Number of females in Umang} = 133$$

$$\text{Reqd. ratio} = \frac{127}{121} = 127 : 121$$

Hence, option D is correct.

5. Let the number of females be x

So, the number of males = $x + 24$

According to the question,

$$x + x + 24 = 1200$$

$$\therefore x = 588$$

So, the number of females = 588

Number of males = $588 + 24 = 612$

$$\text{Total no. of population in Umang apartment} = \frac{1}{4} \times 1200 = 300$$

$$\text{Total no. of population in Drishti apartment} = \frac{16}{100} \times 1200 = 192$$

$$\text{Total no. of population in Maurya apartment} = 192 + 50 = 242$$

$$\text{Total no. of population in Kala kunj} = 192 + 20 = 212$$

$$\text{Total no. of population in Paradise} = 1200 - 300 - 192 - 242 - 212 = 254$$

$$\text{Now, the no. of males in Drishti apartment} = \frac{3}{4} \times 192 = 144$$

$$\text{No. of females in Drishti apartment} = \frac{1}{4} \times 192 = 48$$

$$\text{No. of males in Maurya apartment} = 121$$

$$\text{No. of females in Maurya apartment} = 121$$

$$\text{No. of males in Paradise apartment} = 127$$

$$\text{No. of females in Paradise apartment} = 127$$

$$\therefore \text{No. of females in Kala Kunj} = \frac{3}{4} \times 212 = 159$$

$$\text{No. of males in Kala Kunj} = 53$$

$$\therefore \text{Number of males in Umang} = 167$$

$$\text{Number of females in Umang} = 133$$

$$\text{Avg. population} = \frac{254 + 300 + 212}{3} = \frac{766}{3} = 255\frac{1}{3} \approx 255$$

Hence, option A is correct.



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