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The Question Bank

Date Interpretation Info Chart Questions Quiz for IBPS PO Pre, SBI PO Pre, IBPS Clerk Mains, RRB Scale I Pre, IBPS SO Pre, Canara Bank, Syndicate Bank and SBI Clerk Mains Exams.

DI Info Chart Quiz 21

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

In an Island called Nucolar, only two tribes Bhainaa and Koliya lives. The populatin of Bhainaa is 50% more than that of Koliya. In the island, the ratio of males to females is 11 : 9 and in Koliya tribe the number of females is 40% less than that of male population and in Bhainaa tribe, the male populations are equal to that of female populations. The total number of female populations in Koliya tribe is 1200.

1. What is the ratio of the total population of the island to the total male populations of the Bhainaa tribe?

- A. 5 : 2 B. 10 : 3 C. 15 : 7 D. 12 : 5 E. None of these

2. What is the total number of male populations in the island?

- A. 4200 B. 4400 C. 4600 D. 4500 E. None of these

3. In the island, the total number male populations are how much more than that of female population?

- A. 600 B. 1000 C. 1200 D. 800 E. None of these

4. 20% of the total population of the island are below eighteen then total how many of people are above eighteen?

- A. 8000 B. 6400 C. 5600 D. 7200 E. None of these

5. The total number of female population in Bhainaa tribe is how much percentage more than that of Koliya tribe?

- A. 200% B. 250% C. 150% D. 50% E. None of these

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Correct Answers:

1	2	3	4	5
B	B	D	B	E

COMMON EXPLANATION :

Let the population of Koliya = $2x$ then the population of Bhainaa = 150% of $2x = 3x$ (i)

Let the number of males = $11a$ then the number of females = $9a$ (ii)

In Koliya tribe, let the number of male = $5b$ then the number of female = $(100 - 40)\%$ of $5b = 60\%$ of $5b = 3b = 1200$

$$b = 400$$

the population of Koliya tribe = $(5b + 3b) = 8b = 3200 = 2x$ (from the equation (i))

$$\text{Then } x = 1600$$

The population of Bhainaa tribe = $3x = 4800$

The total population of the island = $3200 + 4800 = 8000$

In Bhainaa tribe, the male population = $c =$ the number of female populations

$$= \frac{4800}{2} = 2400$$

From the equation (ii)

$$\text{The number of males} = \frac{11 \times 8000}{20} = 4400$$

$$\text{The number of female populations} = \frac{9 \times 8000}{20} = 3600$$

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Explanations:

1. The following common explanation , we get

The total population of the island = 8000

The total male population of Bhainaa tribe = 2400

The required ratio = $8000 : 2400 = 10 : 3$

Hence, option B is correct.

2. The following common explanation , we get

$$\text{The number of males} = \frac{11 \times 8000}{20} = 4400$$

Hence, option B is correct.

3. The following common explanation , we get

$$\text{The number of males} = \frac{11 \times 8000}{20} = 4400$$

$$\text{The number of female populations} = \frac{9 \times 8000}{20} = 3600$$

The required difference = $4400 - 3600 = 800$

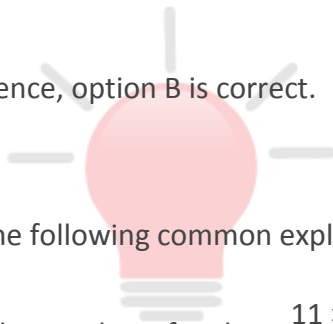
Hence, option D is correct.

4. The following common explanation , we get

The total population of the island = 8000

The total population above eighteen = $(100 - 20)\%$ of 8000 = 80% of 8000 = 6400

Hence, option B is correct.



5. The following common explanation , we get

The total number of female population in Bhainaa tribe = 2400

The total number of female population in Koliya tribe = 1200

$$\text{The reqd. \%} = \frac{(2400 - 1200) \times 100}{1200} = 100\%$$

Hence, option E is correct.

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