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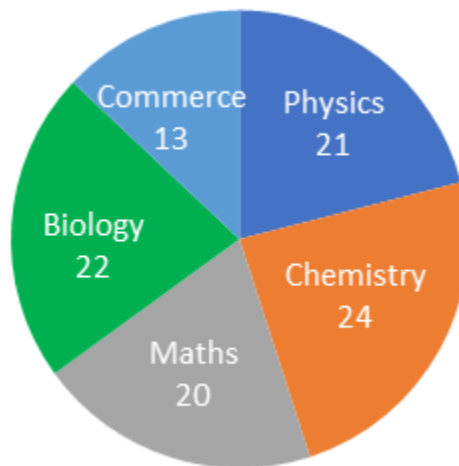
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# Date Interpretation Mixed Chart Questions Quiz for SBI Clerk Pre and IBPS Clerk Pre Exams.

## DI Mixed Chart Quiz 52

Directions : Study the following pie chart and table chart carefully and answer the questions given beside.

In a college the total numbers of students is 5000. The following pie chart gives the information about the percentage of students studying different specialization and the following bar graph gives the information about the ratio of Boys and Girls in each specialization.



Ratio of Boys and Girls in each specialization

Specialization	Boys	Girls
Physics	4	3
Chemistry	2	1
Maths	3	2
Biology	6	5
Commerce	1	1

1. What is the total number of boys studying in the school?

- A. 2925                      B. 2985                      C. 2845                      D. 2935                      E. None of these

2. The number of girls studying in maths is how much percent more than the number of boys studying commerce? (approximately)

- A. 21.05%                      B. 22.01%                      C. 23.07%                      D. 24.10%                      E. None of these

3. What is the ratio of the total number of boys to the total number of girls in the school?

A. 117 : 83

B. 587 : 413

C. 59 : 42

D. 121 : 79

E. None of these

4. In which specialization is the maximum number of boys studying?

A. Maths

B. Biology

C. Commerce

D. Chemistry

E. None of these

5. The total number of boys studying Maths is what percent of the total number of girls studying the physics?

A. 66.66%

B. 133.33%

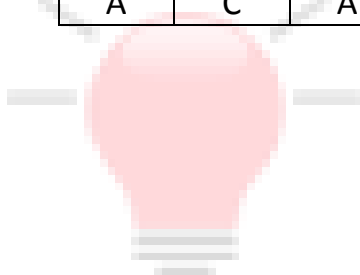
C. 125%

D. 175%

E. None of these

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
A	C	A	D	B



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## Explanations:

1.

$$\text{the total number of boys in physics} = \frac{4}{7} \times 21 = 12\%$$

$$\text{the total number of boys in chemistry} = \frac{2}{3} \times 24 = 16\%$$

$$\text{the total number of boys in maths} = \frac{3}{5} \times 20 = 12\%$$

$$\text{the total number of boys in biology} = \frac{6}{11} \times 22 = 12\%$$

$$\text{the total number of boys in commerce} = \frac{1}{2} \times 13 = 6.5\%$$

$$\text{Total percent of boys} = 12 + 16 + 12 + 12 + 6.5 = 58.5\%$$

$$\text{Total number of boys} = 58.5\% \text{ of } 5000 = 2925$$

Hence, option A is correct.

2.

$$\text{the total number of girls in maths} = \frac{2}{5} \times 20 = 8\%$$

$$\text{Total number of girls in maths} = 8\% \text{ of } 5000 = 400$$

$$\text{the total number of boys in commerce} = \frac{1}{2} \times 13 = 6.5\%$$

$$\text{Total number of boys in commerce} = 6.5\% \text{ of } 5000 = 325$$

$$\text{Reqd. \%} = \frac{(400 - 325) \times 100}{325} = 75 \times \frac{100}{325} \% = 23.07\%$$

Hence, option C is correct.

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3. From the previous question solution,

$$\text{Total number of boys} = 58.5\% \text{ of } 5000 = 2925$$

$$\text{Total number of girls} = 5000 - 2925 = 2075$$

$$\text{Required ratio} = 2925 : 2075 = 117 : 83$$

Hence, option A is correct.

4.

$$\text{the total number of boys in physics} = \frac{4}{7} \times 21 = 12\%$$

$$\text{the total number of boys in chemistry} = \frac{2}{3} \times 24 = 16\%$$

$$\text{the total number of boys in maths} = \frac{3}{5} \times 20 = 12\%$$

$$\text{the total number of boys in biology} = \frac{6}{11} \times 22 = 12\%$$

$$\text{the total number of boys in commerce} = \frac{1}{2} \times 13 = 6.5\%$$

maximum number of boys is in chemistry that is 16% of the total students

Hence, option D is correct.

5. The total number of boys in maths

$$= \frac{3}{5} \times 20 = 12\% = 12\% \text{ of } 5000 = 600$$

$$\text{The total number of girls in physics} = \frac{3}{7} \times 21 = 9\% = 9\% \text{ of } 5000 = 450$$

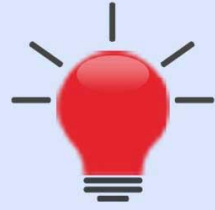
$$\text{Reqd. \%} = \frac{600}{450} \times 100 = 133.33\%$$

Hence, option B is correct.

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