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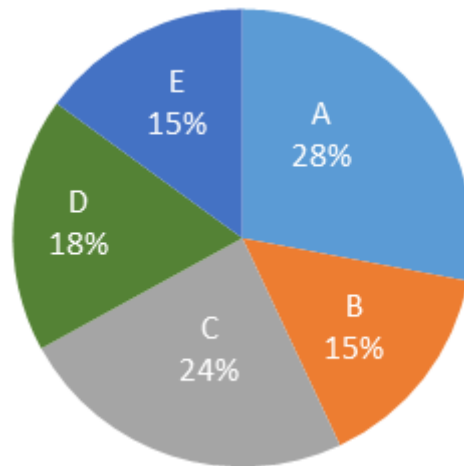
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## Data Interpretation Pie Chart Question for Bank Exams (SBI Clerk, IBPS Clerk, SBI PO Pre, IBPS PO Pre, IBPS SO Pre, & RRB Scale I Pre)

### DI Pie Chart Quiz No. 28

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

The pie chart given below represents percentage of number of students in five different schools viz. A, B, C, D and E. The total no. of students in all the schools is 1,68,000.



The below table shows the ratio of girls and boys in the given five schools.

School	Girls : Boys
A	3 : 4
B	2 : 3
C	5 : 3
D	1 : 2
E	4 : 1

1. Find the ratio of number of girls from each school.

- A. 1 : 2 : 2 : 4 : 5    B. 3 : 5 : 7 : 9 : 8    C. 4 : 2 : 5 : 2 : 4    D. 1 : 2 : 3 : 2 : 1

E. 5 : 2 : 6 : 7 : 4

**2. If 14.28% students of school A change their school and go to school D, what will be the percentage change in the number of students of school D.**

A. 11.11%    B. 22.22%    C. 33.33%    D. 12.18%    E. 14.15%

**3. What is the ratio of average number of students from school A and D to that of the average number of students from school B, C and E?**

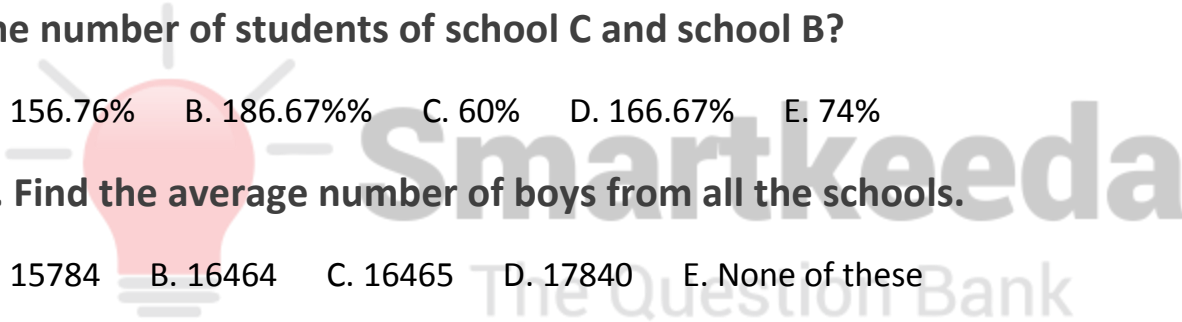
A. 18 : 23    B. 14 : 25    C. 23 : 18    D. 8 : 9    E. None of these

**4. Number of students of school E is what percent of the difference of the number of students of school C and school B?**

A. 156.76%    B. 186.67%%    C. 60%    D. 166.67%    E. 74%

**5. Find the average number of boys from all the schools.**

A. 15784    B. 16464    C. 16465    D. 17840    E. None of these



**Correct Answers:**

1	2	3	4	5
C	B	C	D	B

**Explanations:**

**1.**

No. of girls in school A

$$= \frac{3}{7} \times \frac{28}{100} \times 168000 = 20160$$

No. of girls in school B

$$= \frac{2}{5} \times \frac{15}{100} \times 168000 = 10080$$

No. of girls in school C

$$= \frac{5}{8} \times \frac{24}{100} \times 168000 = 25200$$

No. of girls in school D

$$= \frac{1}{3} \times \frac{18}{100} \times 168000 = 10080$$

No. of girls in school E

$$= \frac{4}{5} \times \frac{15}{100} \times 168000 = 20160$$

Therefore ratio of girls = 20160 : 10080 : 25200 : 10080 : 20160

$$= 4 : 2 : 5 : 2 : 4$$



Hence, option C is correct.

**2.**

Total no. of students of school A

$$= \frac{28}{100} \times 168000 = 47040$$

No. of students who change their school = 14.28% of 47040 = 6720

Total no. of students in school D

$$= \frac{18}{100} \times 168000 = 30240$$

Therefore, percentage change in the number of students of school D

$$= \frac{6720}{30240} \times 100 = 22.22\%$$

Hence, option B is correct.

**3.**

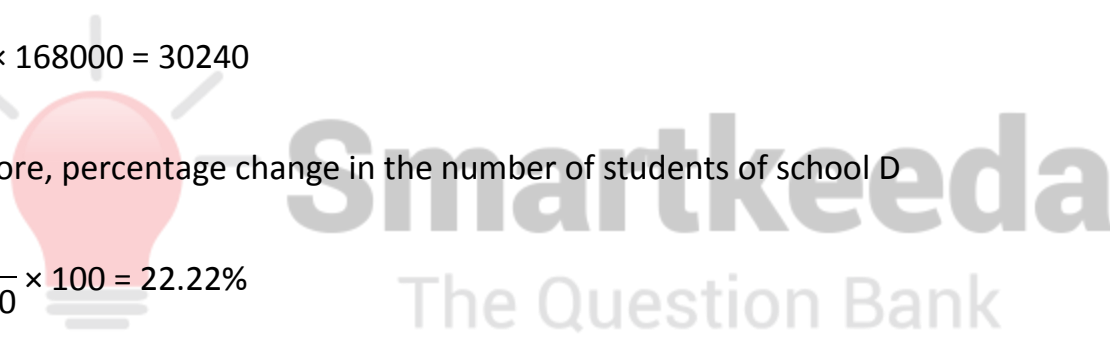
No. of students from school A

$$= \frac{28}{100} \times 168000 = 47040$$

No. of students from school D

$$= \frac{18}{100} \times 168000 = 30240$$

Total no. of students from school A and D = 77280



Average no. of students from school A and D

$$= \frac{77280}{2} = 38640$$

No. of students from school B

$$= \frac{15}{100} \times 168000 = 25200$$

No. of students from school C

$$= \frac{24}{100} \times 168000 = 40320$$

No. of students from school E

$$= \frac{15}{100} \times 168000 = 25200$$

Total no. of students from school B, C and E = 90720

Average no. of students from school B, C and E

$$= \frac{90720}{3} = 30240$$

Therefore, Required ratio = 38640 : 30240 = 23 : 18

Hence, option C is correct.

**4.**

No. of students from school B

$$= \frac{15}{100} \times 168000 = 25200$$

No. of students from school C

$$= \frac{24}{100} \times 168000 = 40320$$

Difference between the no. of students of school C and school B =  $40320 - 25200 = 15120$

No. of students from school E

$$= \frac{15}{100} \times 168000 = 25200$$

Therefore, reqd. answer =  $\frac{25200}{15120} \times 100 = 166.67\%$

Hence, option D is correct.

5.

No. of boys in school A

$$= \frac{4}{7} \times \frac{28}{100} \times 168000 = 26880$$

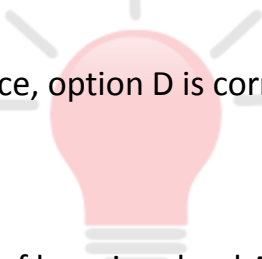
No. of boys in school B

$$= \frac{3}{5} \times \frac{15}{100} \times 168000 = 15120$$

No. of boys in school C

$$= \frac{3}{8} \times \frac{24}{100} \times 168000 = 15120$$

No. of boys in school D



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$$= \frac{2}{3} \times \frac{18}{100} \times 168000 = 20160$$

No. of boys in school E

$$= \frac{1}{5} \times \frac{15}{100} \times 168000 = 5040$$

Total no. of boys in all the schools

$$= \frac{82320}{5} = 16464$$

Hence, option B is correct.



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