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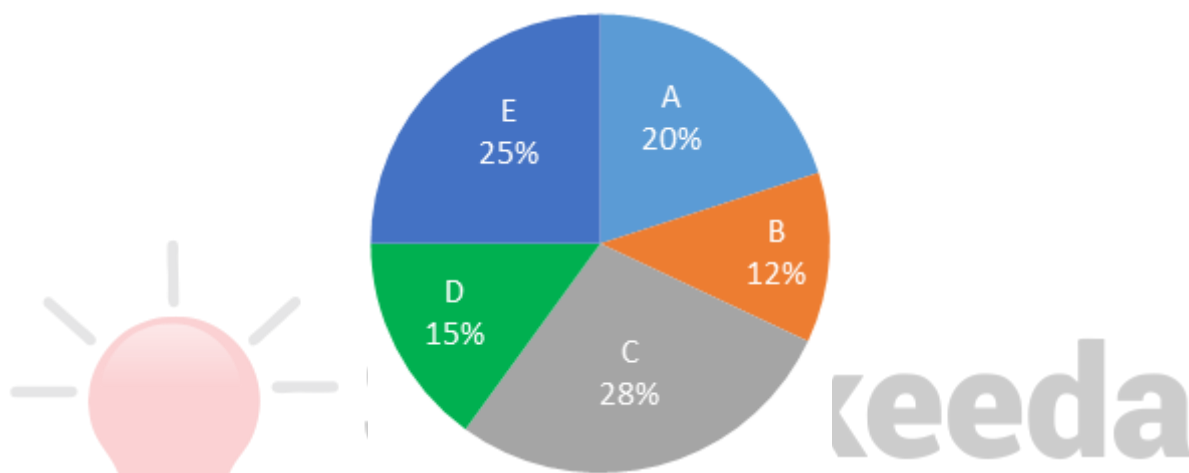
# DI Mixed Chart Questions for SBI PO Mains, IBPS PO Mains and RBI Grade B Exams.

## DI Mixed Chart No. 72

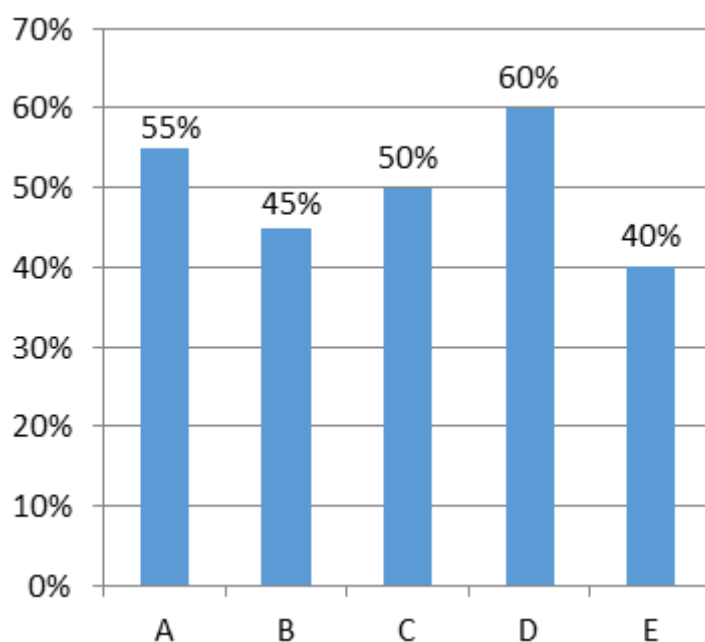
Directions : Study the following pie and bar chart carefully and answer the questions given beside.

The pie chart below shows the number of students in each school A, B, C, D and E as percentage of total number of students in five schools together. Total number of students in all five schools together is 7500.

Number of students as percentage



The bar chart below shows the percentage of girls in each school as total number of students in each school.



1. What is the difference between number of boys in school B and number of girls in school D?  
A. 160                      B. 140                      C. 180                      D. 120                      E. 150
2. Out of total number of students in schools A and C, 20% and 30% of girls respectively and 40% and 22% of boys respectively got A+ grade in annual exam. How many students from these two schools together got A+ grade?  
A. 920                      B. 960                      C. 941                      D. 981                      E. 962
3. What is the ratio of number of boys in schools C and D together to number of girls in schools A and D together?  
A. 5 : 3                      B. 2 : 3                      C. 1 : 1                      D. 1 : 4                      E. 8 : 5
4. School fee of each student in schools B and E is Rs. 2500 and Rs. 3200 respectively per month. Find the sum of revenue earned by both schools together.  
A. Rs. 82.5 lakhs      B. Rs. 78.5 lakhs      C. Rs. 72.5 lakhs      D. Rs. 88.5 lakhs      E. Rs. 85.5 lakhs
5. 23%, 28% and 32% of total number of students from schools A, B and E use school bus to travel for school from their homes. What is the number of students who use school bus in these three schools?  
A. 1126                      B. 1197                      C. 1127                      D. 1156                      E. 1184

**Correct Answers:**

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

## Explanations :

1. Total students in school B = 12% of 7500 = 900

Total students in school D = 15% of 7500 = 1125

Boys in school B = 55% of 900 = 495

Girls in school D = 60% of 1125 = 675

Difference = 675 – 495 = 180

Hence, option C is correct.

2. Total students in school A = 20% of 7500 = 1500

Total students in school C = 28% of 7500 = 2100

Girls in school A = 55% of 1500 = 825

Boys in school A = 1500 – 825 = 675

Girls in school C = 50% of 2100 = 1050

Boys in school C = 2100 – 1050 = 1050

Girls who got A+ grade = 20% of 825 + 30% of 1050 = 165 + 315 = 480

Boys who got A+ grade = 40% of 675 + 22% of 1050 = 270 + 231 = 501

Total students who got A+ grade = 480 + 501 = 981

Hence, option D is correct.

3. Total students in school A = 20% of 7500 = 1500

Total students in school C = 28% of 7500 = 2100

Total students in school D = 15% of 7500 = 1125

Boys in schools C and D together = 50% of 2100 + 40% of 1125 = 1050 + 450 = 1500

Girls in schools A and D together = 55% of 1500 + 60% of 1125 = 825 + 675 = 1500

Ratio = 1500 : 1500 = 1 : 1

Hence, option C is correct.

4. Total students in school B = 12% of 7500 = 900

Total students in school E = 25% of 7500 = 1875

Sum of revenue =  $2500 \times 900 + 3200 \times 1875 = \text{Rs. } 82,50,000 = \text{Rs. } 82.5 \text{ lakhs}$

Hence, option A is correct.

5. Total students in school A = 20% of 7500 = 1500

Total students in school B = 12% of 7500 = 900

Total students in school E = 25% of 7500 = 1875

Students who use school bus = 23% of 1500 + 28% of 900 + 32% of 1875 = 345 + 252 + 600 = 1197

Hence, option B is correct.



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