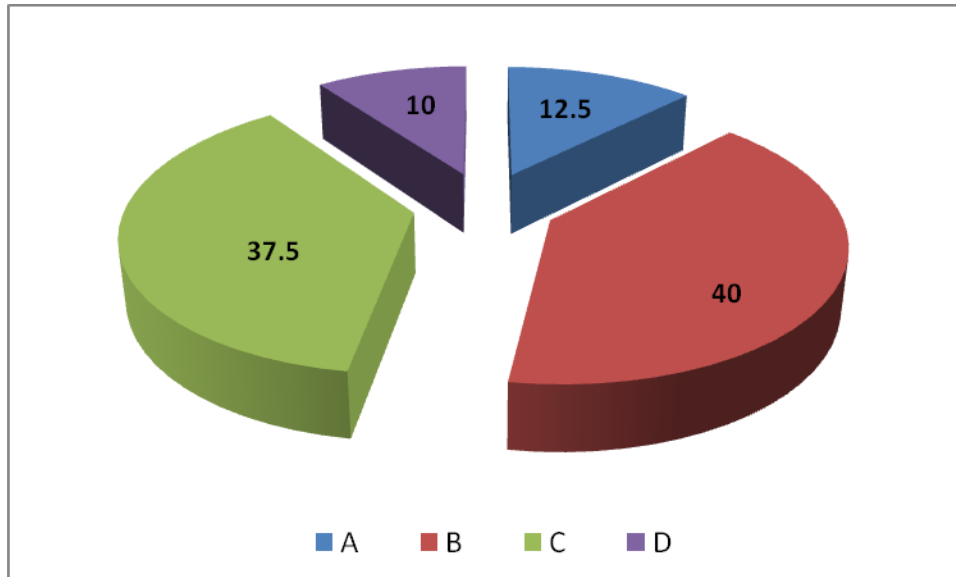


Data Interpretation Practice Sheet

Directions for questions 1-5:

There are employees in 4 different categories in a particular University, the categories being L1, L2, L3 and L4 depicted as A, B, C and D respectively. The percentage distribution of the employees in each category is as shown in the pie chart below.



Answer the questions based on the given data:

Q1: If the number of employees in category L3 is 30, find the difference between the number of employees in category 2 and category 4?

- a. 80 b. 24 c. 30 d. cannot be determined

Q2: By what percentage is the number of employees in category L4 less than the number of employees in category L1?

- a. 20% b. 33.33% c. 40% d. 25%

Q3: If there are a total of 160 employees, which among the following cannot be the ratio of number of male employees to number of female employees in category L2?

- a. 3:1 b. 5:3 c. 4:3 d. 1:1

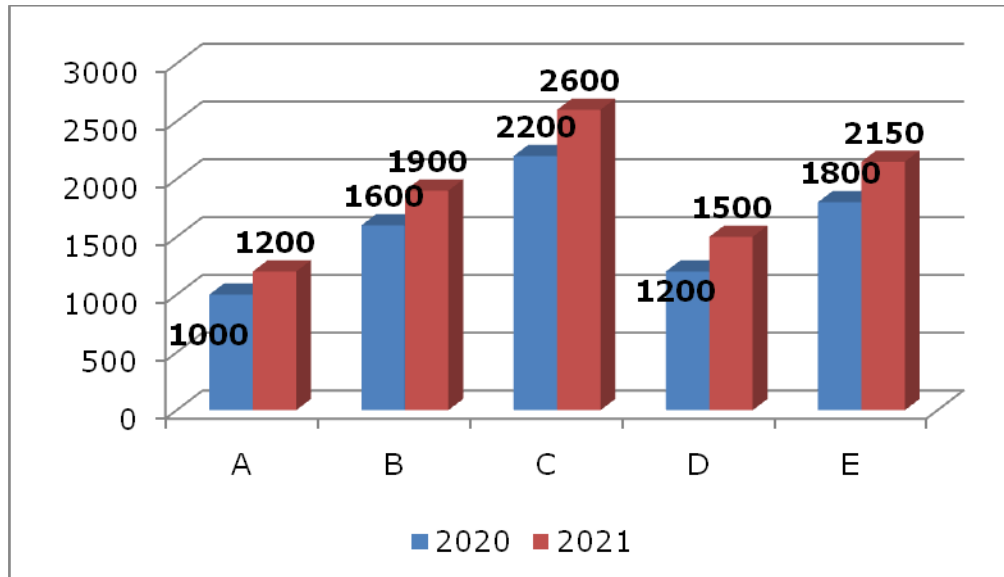
Q4: It is known that there are a total of 480 employees in the University. If the average salary of an employee in category L1 is Rs. 3 lacs and the average salary of an employee in category L2 is Rs. 5 lacs, find the average salary of all the employees in the mentioned 2 categories put together?

- a. Rs. 4 lacs b. Rs. 4.52 lacs c. Rs. 4.32 lacs d. Rs. 4.36 lacs

Q5: Which among the following cannot be the total employees in the 4 categories put together?

- a. 120 b. 140 c. 160 d. 200

Set 2: Directions for questions 6-10: The following bar chart provides the data about the number of mobile phones sold by 5 different companies in a particular market. The data pertains to the year 2020 and 2021. Read the data and answer the questions that follow:



Q6: Which company has shown the second highest growth rate in 2021?

- a. B b. C c. A d. E

Q7: What is the growth rate of company E in the year 2021?

- a. 18.33% b. 20% c. 17.5% d. 19.44%

Q8: It is known that company D grew by the same growth rate in 2021 as it did in the year 2020. Find the number of mobile phones sold by company D in the year 2019?

- a. 1000 units b. 960 units c. 950 units d. 900 units

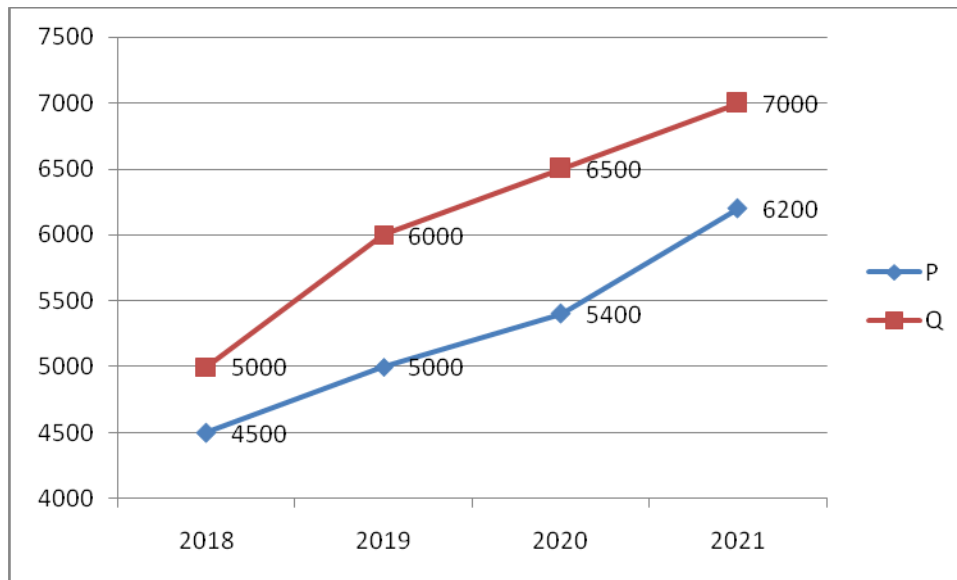
Q9: It is known that company A had a 5% market share in the year 2021. Find the approximate market share of company E in the year 2021?

- a. 9% b. 12% c. 10% d. 11%

Q10: Which company has shown the least growth rate in the year 2021?

- a. A b. B c. C d. E

Set 3: Directions for questions 11-15: The following line graphs show the number of students studying in two different universities P and Q for four years from 2018 to 2021. Read the data carefully and answer the questions that follow:



Q11: What is the growth rate in the number of students studying in University Q from 2018 to 2021?

- a. 20% b. 35% c. 40% d. 45%

Q12: If it is known that the growth rate for University P in the year 2018 is 25%, find the number of students studying in University P in the year 2017?

- a. 3600 b. 3800 c. 4000 d. 3700

Q13: During the period, which year saw the lowest growth rate in the number of students studying in either of the two Universities mentioned in the graph?

- a. University Q in the year 2020
b. University P in the year 2020
c. University P in the year 2019
d. University Q in the year 2021

Q14: It is known that in the year 2021, University Q had 50% more girls studying in the University as compared to boys. Find the number of boys studying in University Q in the year 2021?

- a. 2800 b. 4200 c. 2400 d. 4600

Q15: What is the growth rate in the number of students studying in University P in the year 2019-2021?

- a. 20% b. 27% c. 26.66% d. 24%

Directions for questions 16-18:

A person was looking at the performance data of 4 companies namely A,B,C and D for the year 2014. He observed that the sales of company A for the year 2014 was twice the expenses for company D in the same year. The profit for company C in the year 2014 was 25% while it's sales was Rs.300 crore. The ratio of the sales of company B and the expenses of company D was 4:5. Also, the expenses of company B was half of the total expenses of company D in the same year.

It was also observed that the sales of company D was Rs.250 crore while its profit for the year was Rs.150 crore. Also, the expenses of company A in the year 2014 was such that its profit was 50%.

For the above question, $\text{profit} = \text{sales} - \text{expenses}$

Q16: Find the profit% of company B in the year 2014?

- a. 50% b. 60% c. 55% d. 35%

Q17: Find the value of profit of company A in the year 2014?

- a. Rs.50 cr b. Rs.45 cr c. Rs.33.33 cr d. Rs.66.66 cr

Q18: Which company had the highest profit% in the year 2014?

- a. A b. B c. C d. D