Data Interpretation - Aptitude Question and Answers

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Data interpretation questions are an essential part of the Quantitative Aptitude section. Data Interpretation questions require the ability to analyze and interpret different forms of data, including tables, graphs, charts, and more. With a focus on percentage, ratio and proportion, data interpretation questions can be challenging, making it crucial to practice and refine your skills. In this article, we will explore some commonly asked questions and provide insightful practice questions to help you enhance your data interpretation techniques.

Sample Questions on Data Interpretation

Question on Tables

Q1. The following table contains the data on train arrival and train departure from a station. Study the table and answer the questions that follow :

Delay	No. of Arrivals	No. of Departures
0	1250	1400
0 - 30	114	82
30 - 60	31	5
> 60	5	3

b) Find the number of trains that departed late

c) Find the percentage of late-arriving trains

Solution:

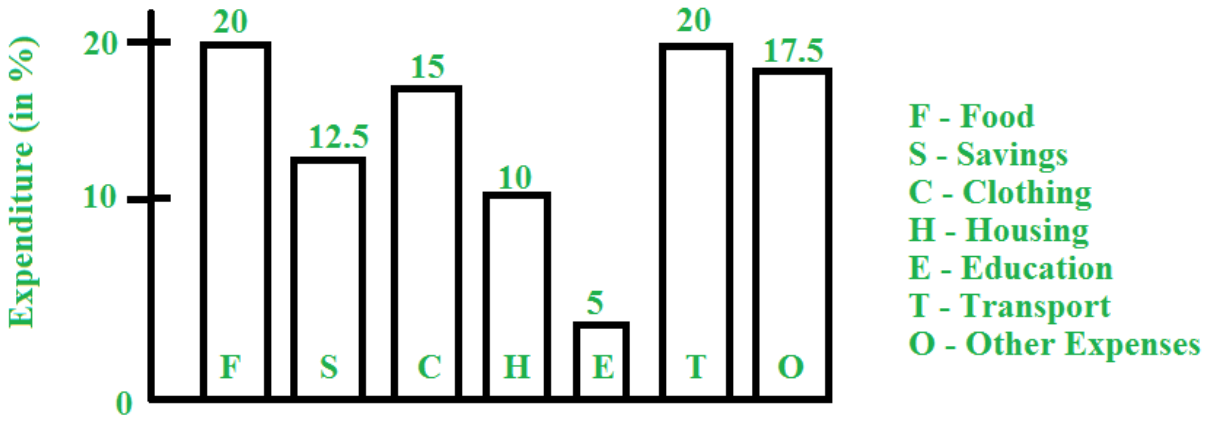
a) Number of trains arriving late = 114 + 31 + 5 = 150

b) Number of trains departing late = 82 + 5 + 3 = 90

c) Percentage of late arriving trains = (150 / 1400) x 100 = 10.71 %

Question on Bar Graphs

Q2. Study the following bar graph and answer the questions that follow: Total monthly income = Rs. 50,000



a) What amount is spent on food ?

b) How much more money is spent on clothing and housing together than on transportation?

Solution :

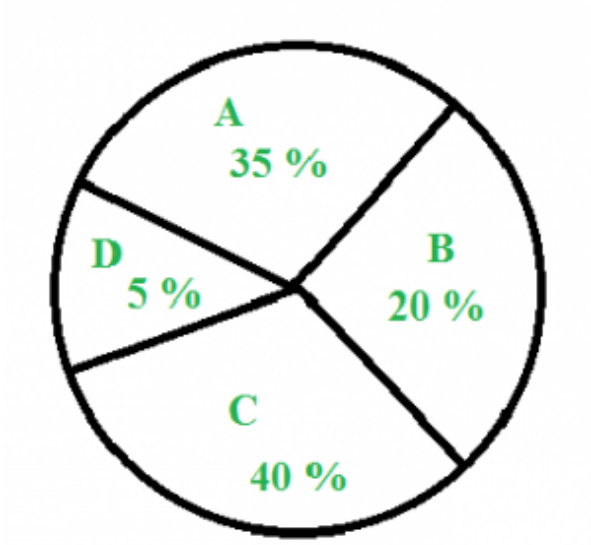
a) Food = 20 % of expenditure => Amount spent on food = 20% of 50,000 = Rs. 10,000

b) Money spent on clothing and housing together = 25 % of Rs. 50,000 = Rs. 12,500 Money spent on transportation = 20 % of Rs. 50,000 = Rs. 10,000 Therefore, more money spent on clothing and housing together than on transportation = Rs. 12,500-10,000 = Rs. 2,500

c) Expenditure on food = 20 % Expenditure on education = 5 % Therefore, percent of amount on food spent as amount on education = (5 / 20) x 100 = 25 %

Question on Pie Charts

Q3. Study the pie chart below and answer the questions that follow :



The above pie chart shows the sales of four different types of articles in a shop

b) If the total sale is 1200, what is the sale of B ?

c) What is the difference between the central angle of C and D ?

Solution :

a) Central angle of A = Percentage of A x 360 degrees = (35 / 100) x 360 = 126 degrees

b) Sales of B = 20 % of 1200 = 240

c) Difference between the central angle of C and D = 40 % of 360 - 5 % of 360 = 35 % of 360 = 126 degrees

Q4. A company conducted a survey of 500 customers to determine their satisfaction with the company's products. The results showed that 80% of customers were satisfied with the products. Of the satisfied customers, 60% were repeat customers. How many customers were repeat customers and satisfied with the products?

Solution :

To determine the number of repeat customers who were satisfied with the products, we need to first calculate the total number of

*0.8 * 500 = 400.*
*Now we can find the number of repeat customers who were satisfied with the products by multiplying the total number of satisfied customers by the percentage of satisfied customers who were repeat customers: 60% of 400 = 0.6 * 400 = 240.*
Therefore, there were 240 repeat customers who were satisfied with the products.

Practice Questions

Test your knowledge of Data interpretation in Quantitative Aptitude with the quiz linked below, containing numerous practice questions to help you master the topic:-

Practice Data Interpretation Aptitude Quiz Questions

Q1. A school's library recorded the number of books borrowed each month for five months:
In January, 120 books were borrowed, February saw an increase of 20%, and March had 150 books borrowed. April's borrowings dropped by 10% from March, and May recorded a 15% increase from April. What was the total number of books borrowed over these five months?

Q2. A car rental service records the number of cars rented out daily over a week:
On Monday, 80 cars were rented, and each following day saw a 5% increase over the previous day. What is the total number of cars rented over the entire week?

Q3. A factory produces three types of goods (X, Y, Z):
Over five months, production of goods X increased by 10 units each month, starting from 50 units in January. Goods Y started at 60 units and increased by 15 units monthly, while goods Z started at 40 units and increased by 20 units each month. What is the total production of each

Q4. A café records the sales of its three best-selling drinks over a week:
Coffee sells at an average of 100 cups daily, Tea at 80 cups, and Smoothies at 50 cups. If each drink's sales increase by 20%, 15%, and 10% respectively over the weekend, what is the total sales increase over the weekend?

Q5. An e-commerce company tracks its revenue from five product categories:
Electronics contribute 30% of the total revenue, Fashion contributes 25%, Home goods contribute 20%, Books contribute 15%, and Sports contribute the remaining amount. If the total revenue is $1 million, how much revenue did each category generate?

Q6. A city's public transport system records the number of passengers for buses, trains, and trams daily:
Buses carry 12,000 passengers, trains 15,000 passengers, and trams 8,000 passengers on weekdays. Over the weekend, the number of passengers on each transport decreases by 30%. What is the total passenger count for each mode over the weekend?

Q7. A store tracks the sale of three types of fruits (Apples, Bananas, and Oranges) in a week:
Apples are sold at 100 kg daily, Bananas at 80 kg, and Oranges at 50 kg. If daily sales increase by 10% for Apples, 5% for Bananas, and 8% for Oranges on weekends, what is the total sale in kg for each fruit over the week?

Q8. An organization's expenses are divided among five categories:
Salaries make up 40%, Rent is 20%, Supplies are 15%, Utilities are 10%, and Miscellaneous is 15%. If the total monthly expense is $50,000, calculate the expense for each category.

Q9. A mobile network company observes data usage across three age groups in a month:

36-50 uses 30GB daily. If usage for each age group increases by 15% on weekends, what is the total data usage for each group over the weekend?

Q10. A food delivery service tracks the number of orders from five neighborhoods:
Neighborhood A records 200 orders, B has 180, C has 160, D has 140, and E has 120 orders daily. If orders from each neighborhood increase by 10% over the weekend, calculate the total number of orders received from all neighborhoods over the weekend.

Summary

Data Interpretation (DI) in aptitude tests involves analyzing and interpreting data presented in tables, graphs, charts, or paragraphs to extract meaningful insights. Candidates must quickly assess numerical and statistical information, identify trends, and perform basic calculations to answer questions accurately. These skills are essential in exams and workplaces to make informed decisions and understand complex information clearly.

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