

Data Interpretation

46. In which of the following months, the total subscription to the Schemes B and C was equal to the subscription to Scheme B in February 2009?

NTPC CBT-II 19/01/2017 (Shift-01)

(a) October 2008 (b) September 2008
 (c) January 2009 (d) December 2008

47. For which of the following type of scheme was there a continuous decrease over the year?

NTPC CBT-II 19/01/2017 (Shift-01)

(a) B (b) C (c) D (d) A

48. If the Subscription to a Scheme is the criterion of popularity, which of the Schemes can be termed as most popular over the months?

NTPC CBT-II 19/01/2017 (Shift-01)

(a) E (b) B (c) D (d) C

49. The loan disbursement at ABC bank in the last 5 years is shown in the table.

Sr.No.	Year	Rupees (in Cr.)
1	2016	75
2	2017	85
3	2018	125
4	2019	145
5	2020	190

Which year has the maximum percentage growth in the loan disbursement over the previous year?

NTPC CBT-II 16/06/2022 (Shift-01)

(a) 2019 (b) 2018 (c) 2020 (d) 2017

50. The following table depicts the number of people in 4 different villages (A, B, C and D), and the ratio of literate to illiterate people in those villages.

Villages	Population	Literate : Illiterate
A	1500	2:3
B	4000	11:9
C	3000	13:2
D	5500	4:1

What is the percentage of literate people in all the four villages together?

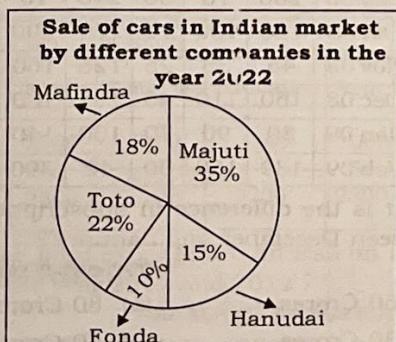
NTPC CBT-02 15/06/2022 (Shift-01)

(a) 67% (b) 65% (c) 72% (d) 70%

TYPE-III
PIECHART

51. Study the following pie-chart and answer the question that follows.

The following pie-chart shows the breakup of the percentage sale of cars by different companies in India in the year 2022.



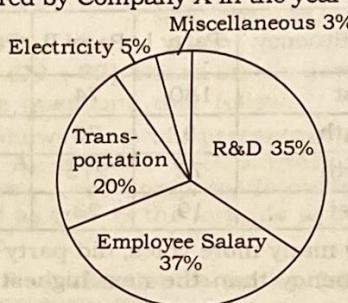
If the total number of cars sold in India in the year 2022 was 15,00,000, then what was the number of cars sold by Mafindra in India in the year 2022?

RRB Technician Grade-III, 28/12/2024 (Shift-001)

(a) 3,00,000 (b) 2,40,000
 (c) 2,80,000 (d) 2,70,000

52. Study the following pie-chart and answer the question that follows.

The following pie chart shows the breakup of the different costs incurred by Company X in the year 2020.



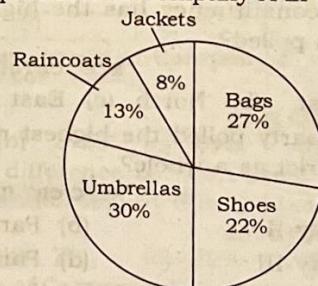
If the total cost incurred by the company X in 2020 is \$1,00,000, what is the electricity cost incurred by the company in 2020?

RRB Technician Grade-III, 27/12/2024 (Shift-01)

(a) \$15,000 (b) \$5,000 (c) \$50,000 (d) \$35,000

53. Study the following pie-chart and answer the question that follows.

The following pie chart shows the breaking of sales of the different products of Company X in the year 2022.



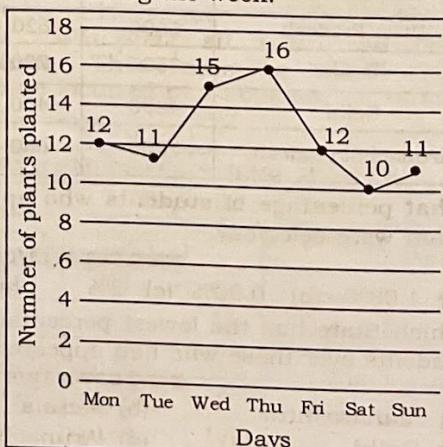
If the total number of items sold by the company was 1000 in 2022, what was the total number of raincoats and jackets sold by the company in the year?

RRB Technician Grade-III, 23/12/2024 (Shift-01)

(a) 200 (b) 230 (c) 180 (d) 210

54. Study the given graph and answer the question that follows.

The line graph shows the number of plants planted by a student during the week.



Data Interpretation

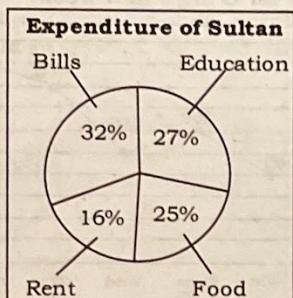
What is the ratio of the number of plants planted on Friday to the number of plants planted on Saturday?

RRB Technician Grade-III, 30/12/2024 (Shift-02)

(a) 1 : 9 (b) 7 : 9 (c) 2 : 5 (d) 6 : 5

55. Study the given pie-chart and answer the question that follows.

Monthly percentage expenditure of a Sultan is given in the pie-chart.



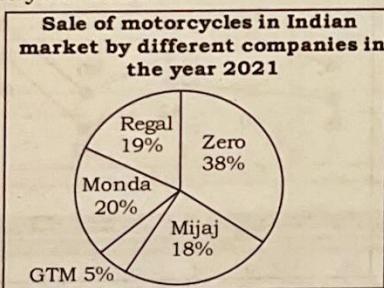
What is the monthly expenditure on Food by the Sultan (in ₹) if the total monthly expenditure of the Sultan is ₹10,000?

RRB Technician G - I 19/12/2024 (Shift - 01)

(a) 2000 (b) 7700 (c) 2500 (d) 1700

56. Study the following pie-chart and answer the question that follows.

The following pie-chart shows the breakup of the percentage sale of motorcycles by different companies in India the year 2021.



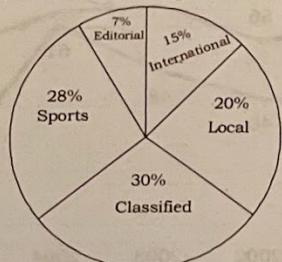
If the total motorcycles sold in India in the year 2021 was 25,00,000, then what was the number of motorcycles sold by GTM in India in the year 2021?

RRB Technician G-III 23/12/2024 (Shift-03)

(a) 2,00,000 (b) 1,75,000 (c) 1,25,000 (d) 1,50,000

57. Study the given pie-chart and answer the question that follows.

A newspaper decided to bring its golden jubilee issue consisting of 60 pages. The proportion for the coverage of various types in this issue was pre-decided and the same is given in the pie chart.



How many pages were dedicated to sports coverage?

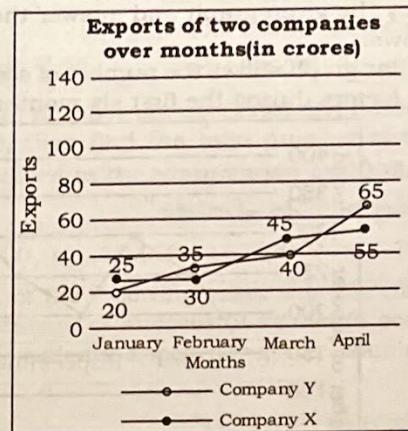
NTPC CBT-02 14/06/2022 (Shift-01)

(a) 16.8 (b) 20 (c) 19 (d) 21

TYPE-IV

LINEGRAPH

58. Study the following chart and answer the question that follows.

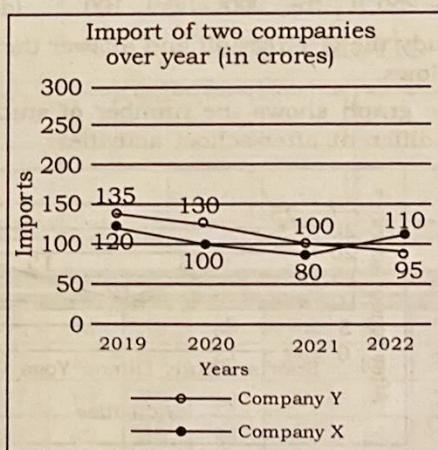


What is the absolute difference between the export by company X in February and export by company Y in April?

RRB Technician G-III, 30/12/2024 (Shift-03)

(a) 10 crore (b) 20 crore (c) 5 crores (d) 15 crore

59. Study the following chart and answer the question that follows.

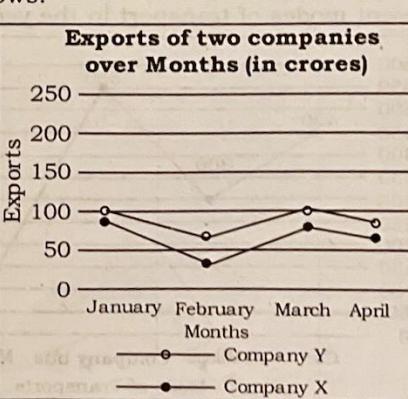


What is the difference in the imports by company X in the years 2019 and 2021?

RRB Technician G-III 20/12/2024 (Shift-03)

(a) 10 crore (b) 15 crore (c) 40 crore (d) 20 crore

60. Study the following chart and answer the question that follows.



Data Interpretation

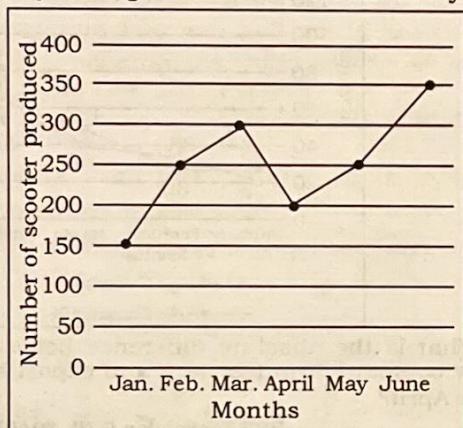
What is the total exports by Company X and Y in months of January and March?

RRB Technician G-III 23/12/2024 (Shift-02)

(a) 385 crore (b) 375 crore
(c) 365 crore (d) 380 crore

61. Study the given graph and answer the question that follows.

The line graph shows the number of scooters produced in a factory during the first six months of a year.



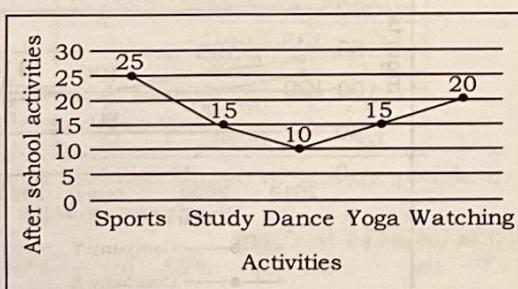
What is the difference between the maximum and minimum production of scooters in a month?

RRB Technician G-III 26/12/2024 (Shift-03)

(a) 250. (b) 200 (c) 100 (d) 150

62. Study the given graph and answer the question that follows.

The graph shows the number of students involved in different after-school activities.



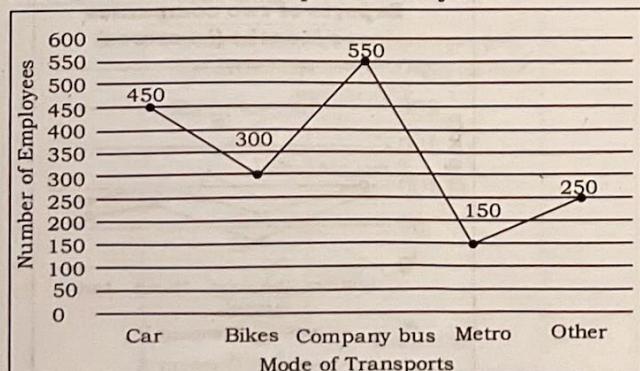
What is the average number of students participating in Sports and Yoga?

RRB ALP 26/11/2024 (Shift-02)

(a) 40 (b) 20 (c) 30 (d) 50

63. Study the given graph and answer the question that follows.

The graph shows the number of employees who used different modes of transport in the year 2010.



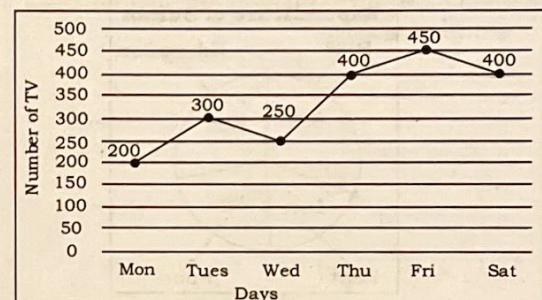
What is the respective ratio between the number of employees who used Bike to the number of employees who used Metro?

RRB ALP 25/11/2024 (Shift-01)

(a) 4 : 5 (b) 2 : 1 (c) 3 : 2 (d) 5 : 2

64. Study the given graph and answer the question that follows.

The graph shows the daily production of TV sets in a factory for 6 days of a week.

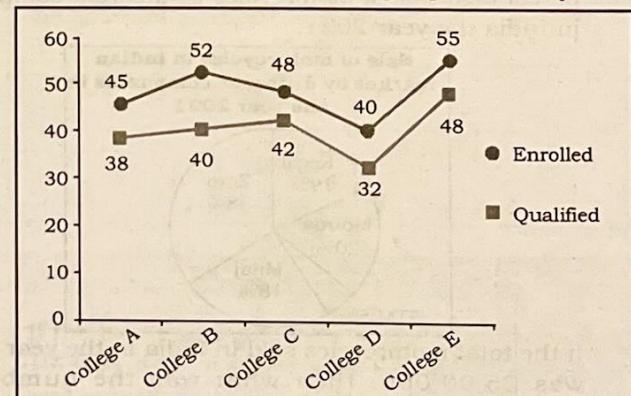


How many units of TV sets were produced on Monday and Tuesday together?

RRB ALP 26/11/2024 (Shift-01)

(a) 400 (b) 700 (c) 500 (d) 600

65. The following graph represents the number of students enrolled and the number of students qualified in five colleges during a particular year.



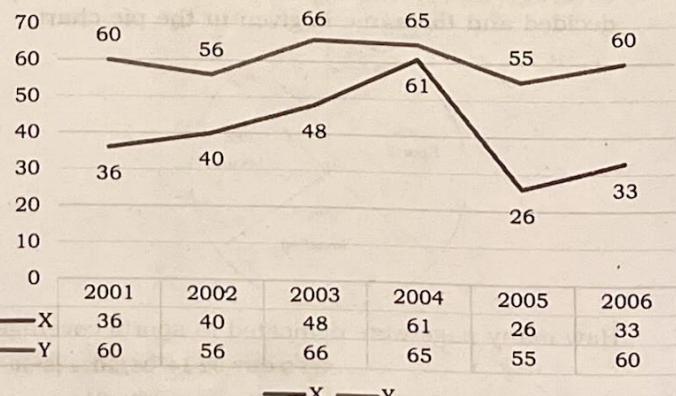
What is the ratio of enrolled to qualified students across all colleges?

NTPC CBT-II 16/06/2022 (Shift-03)

(a) 6 : 7 (b) 13 : 3 (c) 3 : 7 (d) 6 : 5

Direction (66 – 67): Study the following graphs and answer the question based on this.

From 2001 to 2006, the number of vehicles manufactured by X and Y companies (in thousands)



Data Interpretation

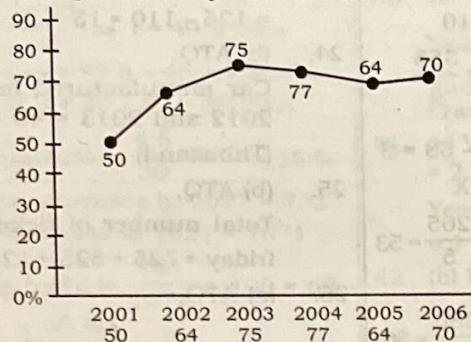
66. What is the difference between the number of vehicles manufactured by the X company in 2001 and 2002?
RPF Constable 02/02/2019 (Shift-01)

(a) 5 (b) 3 (c) 4 (d) 6

67. Find the difference between the total production (in thousands) of the two companies in the given years.
RPF Constable 02/02/2019 (Shift-01)

(a) 116 (b) 117 (c) 118 (d) 115

Direction (68 – 70): The following line graph gives the percentage of total candidates appeared in an examination and percentage of total candidates successful over a period of 6 years between 2001 to 2006.



68. If the total number of candidates who appeared in 2003 and 2005 together was 85000, then what was the total number of candidates who qualified the examination in these two years together?
RPF Constable 19/01/2019 (Shift-01)

(a) 4500 (b) Data insufficient
(c) 47500 (d) 80000

69. If the total number of successful candidates in 2002 is 96000, then find the total number of candidates who appeared in the examination in 2002.
RPF Constable 19/01/2019 (Shift-02)

(a) 150000 (b) 180000 (c) 170000 (d) 160000

70. In which of the following years was the difference in the percentage of successful students compared to the total students appeared in the examination the least?
RPF Constable 19/01/2019 (Shift-03)

(a) 2002-2003 (b) 2004-2005
(c) 2001-2002 (d) 2003-2004

Revision Table

Conceptually Challenging	Calculative Questions	Most Repetitive Questions

ANSWER KEY

1. (c)	2. (d)	3. (c)	4. (b)	5. (a)	6. (c)	7. (b)	8. (d)	9. (b)	10. (c)
11. (a)	12. (c)	13. (b)	14. (a)	15. (b)	16. (d)	17. (a)	18. (a)	19. (d)	20. (a)
21. (d)	22. (a)	23. (a)	24. (b)	25. (b)	26. (a)	27. (c)	28. (a)	29. (c)	30. (a)
31. (d)	32. (b)	33. (c)	34. (b)	35. (d)	36. (b)	37. (d)	38. (a)	39. (c)	40. (c)
41. (b)	42. (b)	43. (c)	44. (c)	45. (b)	46. (d)	47. (c)	48. (a)	49. (b)	50. (d)
51. (d)	52. (b)	53. (d)	54. (d)	55. (c)	56. (c)	57. (a)	58. (b)	59. (c)	60. (d)
61. (b)	62. (b)	63. (b)	64. (c)	65. (d)	66. (c)	67. (c)	68. (b)	69. (a)	70. (d)

SOLUTIONS

1. (c) ATQ,
 Total number of cancer cases
 $= 4300 + 4500 + 5000 + 5000 + 6000 + 5500 = 30300$
 \therefore Required average = $\frac{30300}{6} = 5050$

2. (d) ATQ,
 Average number of people
 $= \frac{6000 + 5500 + 3500 + 6500}{4} = \frac{215000}{4} = 5375$

3. (c) ATQ,
 Average weight of fruit
 $= \frac{67 + 85 + 69 + 95 + 71 + 53 + 85}{7} = \frac{525}{7} = 75 \text{ kg}$

4. (b) From the graph, it is clear that Italian class has the maximum students from school C.

5. (a) Average export (in crore) of the year 2016 and 2018
 $= \frac{20+40}{2} = \frac{60}{2} = 30$

6. (c) ATQ,
 Required ratio = $140 : 160 = 7 : 8$

7. (b) ATQ,
 Total production of rice (2020, 2021 and 2022) = $100 + 60 + 80 = 240$

8. (d) ATQ,
 Total unit of headphone and mobile phone sold = $10 + 35 = 45$

9. (b) Rent and Household expenses spent on = $14 + 17 = 31\%$
 Expenses (Rs.) = $\frac{31}{100} \times 45000 = 13950$
 \therefore Expenses on educational fees
 $= \frac{19}{100} \times 45000 = \text{Rs.} 8550$
 \therefore Required value = $13950 - 8550 = \text{Rs.} 5400$

10. (c) Required value = $R + E + T$
 $= \frac{(14 + 19 + 15)}{100} \times 45000 = \text{Rs.} 21600$

11. (a) Required Value = $(F + H)$
 $= \frac{(13 + 17)}{100} \times 45000 = \text{Rs.} 13500$

12. (c) Total invest = $81 + 54 + 51 + 57 + 27 = 270$
 \therefore Required ratio = $\frac{54}{270} = \frac{1}{5} \Rightarrow 1 : 5$

13. (b) Total telephone minutes
 $= (4 \times 1) + (14 \times 2) + (40 \times 3) + (30 \times 4) + (12 \times 5)$
 $= 4 + 28 + 120 + 120 + 60 = 332 \text{ min}$

14. (a) Total sales of C1, C3 and C5 together
 $= (51 + 72) + (69 + 71) + (94 + 77)$
 $= 123 + 140 + 171 = 434$

15. (b) Average of sales of all companies in the year 2010
 $= \frac{(51 + 79 + 69 + 62 + 94)}{5} = \frac{355}{5} = 71$

16. (d) Middle difference = $56 - 53 = 3$

17. (a) Average production of X
 $= \frac{(45 + 51 + 58 + 57 + 54)}{5} = \frac{265}{5} = 53$
 Average production of Y
 $= \frac{(50 + 56 + 53 + 62 + 59)}{5} = \frac{280}{5} = 56$
 Average production of Z
 $= \frac{(53 + 59 + 56 + 65 + 62)}{5} = \frac{295}{5} = 59$
 Hence company X has the lowest production.

18. (a) Percentage increase in production of 2002 to 2005 in company X
 $= \frac{(54 - 51)}{51} \times 100 = 5.88\%$

19. (d) ATQ,
 Shoes size 7 is obtained maximum in the survey.

20. (a) ATQ,
2020
 $A \rightarrow \frac{100}{500} \times 100 = 20\%$
 $B \rightarrow \frac{200}{600} \times 100 = 33\frac{1}{3}\%$
 $C \rightarrow \frac{50}{400} \times 100 = 12.5\%$
 $D \rightarrow \frac{60}{300} \times 100 = 20\%$
2021
 $A \rightarrow \frac{150}{600} \times 100 = 25\%$
 $B \rightarrow \frac{250}{800} \times 100 = 31.25\%$
 $C \rightarrow \frac{100}{500} \times 100 = 20\%$
 $D \rightarrow \frac{80}{400} \times 100 = 20\%$

21. (d) ATQ,
 Profit % = $\frac{6}{30} \times 100 = 20\%$

22. (a) Mary score in History
 $= 75 \times \frac{60}{100} = 45$

23. (a) Absolute difference between the number of article x sold
 $= 125 - 110 = 15$

24. (b) ATQ,
 Car manufactured in the year 2012 and 2013 = $40 + 45 = 85$ (Thousand)

25. (b) ATQ,
 Total number of ticket sold on Friday = $725 + 525 = 1250$

26. (a) ATQ,
 A - B
 Difference $\rightarrow 777 - 566 = 211$

27. (c) ATQ,
 Total expenditure on food during the year 2011 and 2012 = $2000 + 2500 = \text{₹}4500$

28. (a) Total average age
 $= \frac{(8 \times 8) + (8 \times 6) + (10 \times 7) + (7 \times 9) + (5 \times 7)}{8 + 6 + 10 + 9 + 7} = \frac{64 + 48 + 70 + 63 + 35}{40} = \frac{280}{40} = 7$

29. (c) Profit % in 2014
 $= \frac{35 - 25}{25} \times 100 = 40\%$
 Profit % in 2018 = $\frac{72 - 45}{45} \times 100 = \frac{27}{45} \times 100 = 60\%$
 Profit % in 2016 = $\frac{77 - 44}{44} \times 100 = \frac{33}{44} \times 100 = 75\%$
 Profit % in 2017 = $\frac{80 - 50}{50} \times 100 = \frac{30}{50} \times 100 = 60\%$
 Hence, maximum profit % in 2016.

30. (a) Given,
 Profit % of A = 40%
 Profit % of B in 2013
 $\Rightarrow \frac{48.6 - 36}{36} \times 100 = 35\%$
 \therefore Profit % of company A - Profit % of company B = $(40 - 35) = 5\%$

Data Interpretation

<p>31. (d) Expenses of Company A: $\Rightarrow \frac{20}{100} = \frac{90 - E}{E} \Rightarrow E = 75 \text{ lakh}$ Net profit of A = $90 - 75 = 15 \text{ lakh}$ Net profit of B = $72 - 45 = 27 \text{ lakh}$ $\therefore \text{Required\%} = \frac{27 - 15}{15} \times 100$ $= \frac{12}{15} \times 100 = 80\%$</p> <p>32. (b) Income of A in 2017 $\frac{10}{100} = \frac{I - 45}{45} \Rightarrow I = 49.5 \text{ lakh}$ Profit of A = $49.5 - 45 = 4.5 \text{ lakh}$ Profit of B = $80 - 50 = 30 \text{ lakh}$ $\therefore \text{Required\%} = \frac{4.5}{30} \times 100 = 15\%$</p> <p>33. (c) Total expenses in 2017 = 731 Total expenses in 2021 = 1071 $\therefore \text{Required\%} = \frac{731}{1071} \times 100 = 68.$ $25\% \approx 68\%$</p> <p>34. (b) Required vote $= 210000 - 108000$ $= 102000 = 1.02 \text{ lakh}$</p> <p>35. (d) From the given table (South, West) Party IV won in more than one region.</p> <p>36. (b) East = $180 + 74 + 56 + 34 = 344$ South = $8 + 70 + 108 + 210 = 396$ North = $72 + 275 + 44 + 225 = 616$ West = $19 + 23 + 101 + 191 = 334$ Maximum voting took place in North.</p> <p>37. (d) Party I = $180 + 8 + 72 + 19 = 279$ Party II = $74 + 70 + 275 + 23 = 442$ Party III = $56 + 108 + 44 + 101 = 309$ Party IV = $34 + 210 + 225 + 191 = 660$ Party IV received maximum votes.</p> <p>38. (a) Required% $= \frac{80 + 85 + 78 + 48 + 70}{8500 + 5600 + 7500 + 4800 + 7000} \times 100$ $= \frac{361}{33400} \times 100 = 1.08\%$</p> <p>39. (c) Maharashtra = $\frac{950}{8500} \times 100 = 11.17\%$ Uttar Pradesh = $\frac{620}{5600} \times 100 = 11.07\%$ $\text{Kerala} = \frac{720}{7500} \times 100 = 9.6\%$ $\text{Delhi} = \frac{400}{4800} \times 100 = 8.33\%$</p>	<p>Arunachal Pradesh = $\frac{650}{7000} \times 100 = 9.28\%$ Lowest passed students is in Delhi.</p> <p>40. (c) Maharashtra = $\frac{80}{8500} = 0.009$ $\text{Kerala} = \frac{78}{7500} = 0.0104$ $\text{Uttar Pradesh} = \frac{85}{5600} = 0.0151$ $\text{Delhi} = \frac{48}{4800} = 0.010$ The highest ratio is in Uttar Pradesh.</p> <p>41. (b) Years 2001 - 2002 $\rightarrow 112 - 110 = 2$ Years 2003 - 2004 $\rightarrow 117 - 115 = 2$</p> <p>42. (b) Maximum increase percentage in the year 2004-05 $= \frac{13}{117} \times 100 = \frac{100}{9} = 11\frac{1}{9}\%$</p> <p>43. (c) From 1999 to 2007, Raw cotton increased from 105 to 151. Increase in cost = $151 - 105 = 46$ $\text{Ratio} = \frac{46}{7} = 6.57$</p> <p>44. (c) Required percentage $= \frac{151}{105} \times 100 \approx 144\%$</p> <p>45. (b) Difference = $160 - 80 = 80 \text{ cr.}$</p> <p>46. (d) B's fee in February 2009 = Rs.150 cr. B's in December 2008 + C's in December 2008 = $110 + 40 = 150 \text{ cr.}$</p> <p>47. (c) From the given table, continuous decline has been observed in Company D.</p> <p>48. (a) Total Fee: $\text{B} \rightarrow 585 \text{ Cr.}, \text{C} \rightarrow 265 \text{ Cr.}$ $\text{D} \rightarrow 820 \text{ Cr.}, \text{E} \rightarrow 1120 \text{ Cr.}$ $\therefore \text{E is the most popular.}$</p> <p>49. (b) Increase in 2017 $= \frac{85 - 75}{75} \times 100 = \frac{40}{3} \approx 13\%$ Increase in 2018 $= \frac{125 - 85}{85} \times 100 \approx 47\%$ Increase in 2019 $= \frac{145 - 125}{125} \times 100 = 16\%$ Increase in 2020 $= \frac{190 - 145}{145} \times 100 = 31\%$ $\therefore \text{Maximum increase percentage occurred in 2018.}$</p>	<p>50. (d) Percentage of literate people in all four villages $\frac{2}{5} \times 1500 + \frac{11}{20} \times 4000 + \frac{13}{15} \times 3000 + \frac{4}{5} \times 5500 = \frac{1500 + 4000 + 3000 + 5500}{1500 + 4000 + 3000 + 5500} \times 100 = \frac{600 + 2200 + 2600 + 4400}{14000} \times 100 = \frac{9800}{1400} = 70\%$</p> <p>51. (d) ATQ, Number of cars sold by manfindre = $\frac{18}{100} \times 1500000 = 270000$</p> <p>52. (b) ATQ, Electricity cost = $\frac{5}{100} \times 100000 = \text{Rs.5000}$</p> <p>53. (d) ATQ, Total number of raincoat and jacket sold = $\frac{21}{100} \times 1000 = 210$</p> <p>54. (d) ATQ, Number of plants \rightarrow Friday 12 Saturday 10 Ratio \rightarrow 6 : 5 $\therefore \text{Required result} = 6 : 5$</p> <p>55. (c) Monthly expenditure on food = 25% of 10000 = ₹2500</p> <p>56. (c) ATQ, Required Result $= \frac{5}{100} \times 2500000 = 125000$</p> <p>57. (a) Pages dedicated to sports $= 60 \times \frac{28}{100} = 16.8$</p> <p>58. (b) ATQ, Required result = $55 - 35 = 20 \text{ cr.}$</p> <p>59. (c) ATQ, Required result = $120 - 80 = 40$</p> <p>60. (d) ATQ, Required result = $100 + 95 + 85 + 100 = 380 \text{ cr}$</p> <p>61. (b) ATQ, Required difference = $350 - 150 = 200$</p> <p>62. (b) Average number of student participating in Yoga and sport $= \frac{(25+15)}{2} = \frac{40}{2} = 20$</p>
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Data Interpretation

63. (b) ATQ,
 Employee : Employee
 (Bike used) : (Metro used)
 300 : 150
 2 : 1
 Required ratio = 2 : 1

64. (c) ATQ,
 Number of units of TV sets produced on Monday and Tuesday = $200 + 300 = 500$

65. (d) Required ratio

$$= \frac{45 + 52 + 48 + 40 + 55}{38 + 40 + 42 + 32 + 48} = \frac{240}{200} = \frac{6}{5}$$

66. (c) The number of vehicles manufactured by X company in 2001 and 2002 are 36 and 40 respectively.
 ATQ,
 $\Rightarrow 40 - 36 = 4$
 \therefore Option (c) is the correct answer.

67. (c) Total production of X = $36 + 40 + 48 + 61 + 26 + 33 = 244$
 Total production of Y = $60 + 56 + 66 + 65 + 55 + 60 = 362$
 Difference = $362 - 244 = 118$
 \therefore Option (c) is the correct answer.

68. (b) Data is insufficient.
 Because according to the question, the percentage of students appearing in the examination is given in the graph.

69. (a) ATQ,
 Total student Pass
 100 64
 $\downarrow \times 1500$ $\downarrow \times 1500$
 150000 96000 (Given)

70. (d) The % of successful students was the lowest in 2003-2004.



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