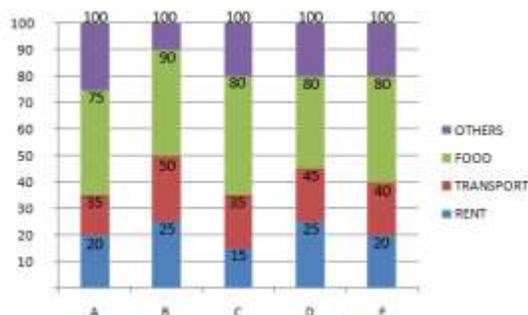


# DI Questions for SSC Exams English PDF

## Data Interpretation Questions for SSC CGL 2020-21

**Direction:** The Bar graph given below shows the various expenditures of some different persons. Study the given data carefully and the related questions.



(Percentage of Expenditure)

1. If B saves 20% of his salary and E saves 25% of his salary then what is respective ratio of their food expenditure where respective ratio of salaries of B and E is 8 : 7? A. 128 : 105

- B. 105 : 128  
C. 115 : 123  
D. 121 : 173  
E. None of these

**Ans. A**

**Sol.** Required ratio =

$$8 \times \frac{80}{100} \times \frac{40}{100} : 7 \times \frac{75}{100} \times \frac{40}{100} =$$

128 : 105

2. If salaries of A and D are 25000 and 30000 respectively and they saves 20% and 30% of their salaries then other expenditure of A is what percent of that of D?

- A. 81%                      B. 119%  
C. 90%                      D. 125%  
E. None of these

**Ans. B**

**Sol.** Required % =

$$\frac{25000 \times \frac{80}{100} \times \frac{25}{100}}{30000 \times \frac{70}{100} \times \frac{20}{100}} \times 100$$

$$= \frac{5000}{4200} \times 100 = \frac{2500}{21}$$

$$= 119.04 \approx 119\%$$

3. If C spends 5000 on transport and saves 20% of his salary then what is the salary of C?

- A. 25000  
B. 30000  
C. 31250  
D. 32500  
E. None of these

**Ans. C**

**Sol.** Salary of C  $\times \frac{80}{100} \times \frac{20}{100} = 5000$

$$\therefore \text{Salary of C} = \frac{5000 \times 100 \times 100}{80 \times 20}$$

$$\therefore \text{Salary of C} = \frac{5000 \times 100}{16} = \frac{125 \times 25}{4}$$

= 31250

4. If respective ratio of salaries of B and C is 9 : 10 and they saves 20% and 25% then what is difference between rent expenditure of B and C?

- A. 250  
B. 300  
C. 500



- D. Can't be determined
- E. None of these

**Ans. D**

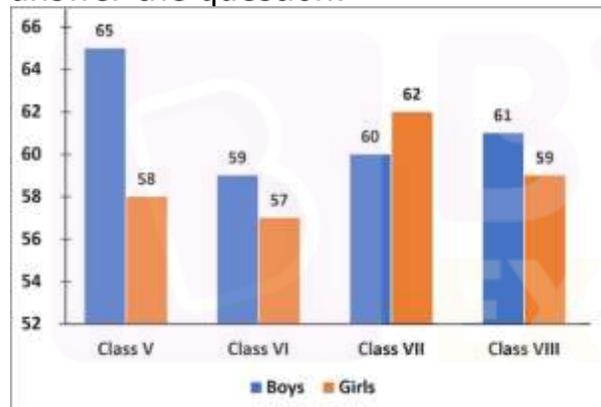
**Sol.** Required difference =

$$9 \times \frac{80}{100} \times \frac{25}{100} - 10 \times \frac{75}{100} \times \frac{15}{100}$$

$$= \frac{9 \times 20}{100} - \frac{450}{400} = \frac{720 - 450}{400} = \frac{270}{400} \%$$

Hence can't be determined

**Direction:** The following graph shows the number of boys and girls in Class V, Class VI, Class VII and Class VIII. Study the graph and answer the question.



5. Which class has the maximum number of students?
- A. Class VI
  - B. Class VIII
  - C. Class V
  - D. Class VII

**Ans. C**

**Sol.**

Total number of students in class V = 65 + 58 = 123

Total number of students in class VI = 59 + 57 = 116

Total number of students in class VII = 60 + 62 = 122

Total number of students in class VIII = 61 + 59 = 120

Therefore, class V has maximum number of students.

6. The Bar graph given below presents the maximum temperature (in °C) of a city for 10 different days spread over several months.



The temperature on D5 is how much percentage more than the temperature on D3?

- A. 16.67%
- B. 23.01%
- C. 21.07%
- D. 24.57%

**Ans. A**

**Sol.**

Temperature on D5 = 35

Temperature on D3 = 30

Difference = 5

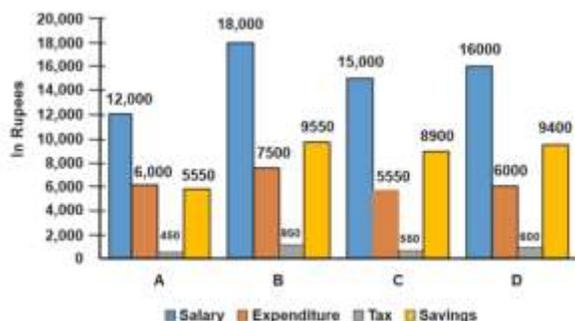
Required percentage

$$= \frac{5}{30} \times 100 = 16.67\%$$



**Direction:** The following graph represents the salary, expenditure, tax and savings (in rupees) per month of the persons A, B, C and D per month.

Study the graph and answer the question.



7. The tax as a percentage of salary is highest in case of:

- A. B
- B. D
- C. A
- D. C

**Ans. A**

**Sol.**

Tax as a percentage of salary for A

$$= \frac{450}{12000} \times 100 = 3.75\%$$

Tax as a percentage of salary for B

$$= \frac{950}{18000} \times 100 = 5.28\%$$

Tax as a percentage of salary for C

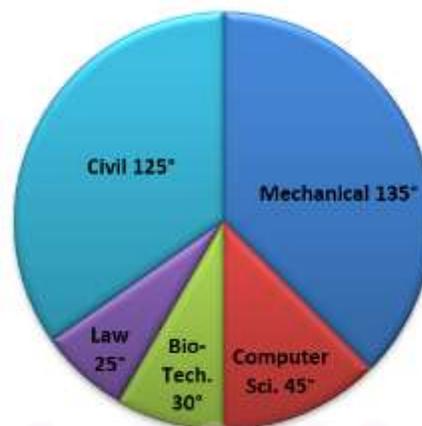
$$= \frac{550}{15000} \times 100 = 3.67\%$$

Tax as a percentage of salary for D

$$= \frac{600}{16000} \times 100 = 3.75\%$$

Hence, tax as a percentage of salary is the highest in case of B.

**Direction:** In the below questions the given pie chart shows the number of students admitted in different faculties of an engineering college. Study the chart and answer the questions.



8. If 625 students are in Civil branch then find the ratio of students in Law and computer science branch?

- A. 5 : 7
- B. 5 : 9
- C. 9 : 5
- D. 11 : 12

**Ans. B**

**Sol.**

Required ratio = Law : Computer Science

$$= 25 : 45$$

$$= 5 : 9.$$

**Direction:** Various expenditures incurred by a publishing company for publishing a book in 2011 are given below. Study the chart and answer the questions.





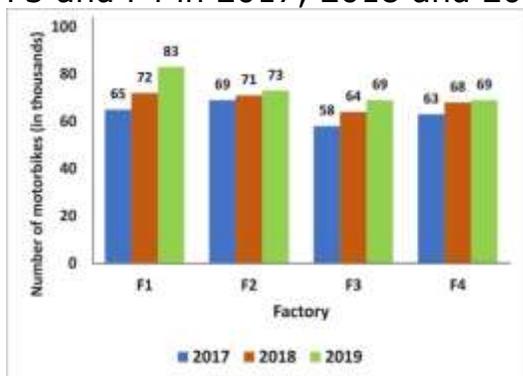
9. Price of a book is 20% above cost price. If the market price is ₹ 180, then the cost of paper for a single copy (in ₹) is

- A. 44.25
- B. 36
- C. 22.50
- D. 42

**Ans. C**

**Sol.** CP =  $180 \times \frac{100}{120} = ₹ 150$   
 $\therefore$  Cost of paper = 15% of CP  
 $= \frac{150 \times 15}{100}$   
 $= ₹ 22.50$

**Direction:** The following bar graph shows the sales (in thousands) of motor bikes by the factories, F1, F2, F3 and F4 in 2017, 2018 and 2019



10. Which of the factories witnessed the highest increase in the percentage of sales from 2018 to 2019?

- A. F2
- B. F3
- C. F4
- D. F1

**Ans. D**

**Sol.**

Increase in the percentage of sales from 2018 to 2019 in factory F1

$$= \frac{83 - 72}{72} \times 100 = \frac{11}{72} \times 100 = 15.28\%$$

Increase in the percentage of sales from 2018 to 2019 in factory F2

$$= \frac{73 - 71}{71} \times 100 = \frac{2}{71} \times 100 = 2.82\%$$

Increase in the percentage of sales from 2018 to 2019 in factory F3

$$= \frac{69 - 64}{64} \times 100 = \frac{5}{64} \times 100 = 7.81\%$$

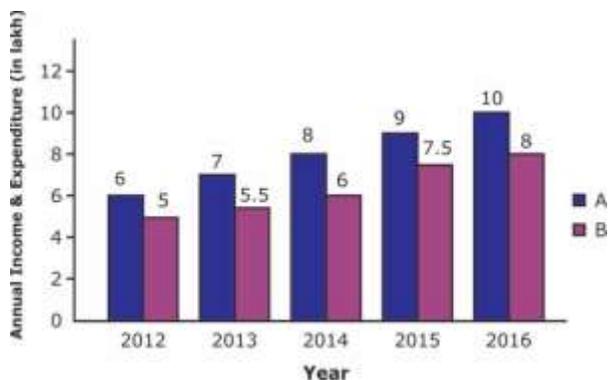
Increase in the percentage of sales from 2018 to 2019 in factory F4

$$= \frac{69 - 68}{68} \times 100 = \frac{1}{68} \times 100 = 1.47\%$$

Hence, factory F1 witnessed the highest increase in the percentage of sales from 2018 to 2019.

11. The given Bar Graph presents the data of annual income (A) and annual expenditure (B) of an IT official in a multi-national company during the years 2012 to 2016.





What was his average monthly savings in 2015 and 2016, taken together (correct to two decimal places)?

- A. Rs.14,506.33
- B. Rs.14,967.67
- C. Rs.13,687.67
- D. Rs.14,583.33

**Ans. D**

**Sol.**

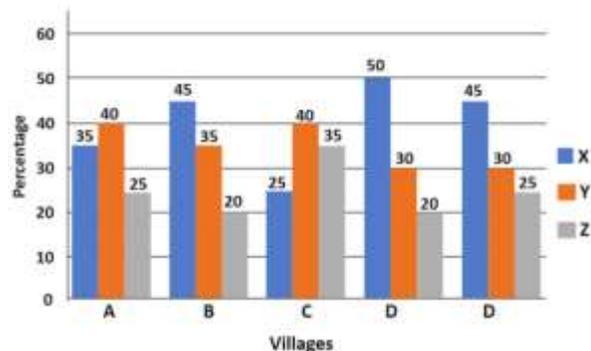
Savings in 2015 = 9 - 7.5 = 1.5 lakh

Savings in 2016 = 10 - 8 = 2 lakh

Average =  $\frac{1.5+2}{2} = 1.75$  lakh

Average of monthly savings =  $\frac{175000}{12} = 14583.33$

12.The given Bar Graph presents the percentages of population in the age groups. X(above 50 years). Y(20 to 50 years), Z(below 20 years) in five different villages, A. B. C. D and E with total population of 5000, 6000, 8000, 4500 and 6000 respectively.



What is the total number of persons in the age group of 20 to 50 years in the villages A and B, taken together?

- A. 4300
- B. 4200
- C. 4100
- D. 4000

**Ans. C**

**Sol.**

Total number of person in the age group of 20 - 50 years of :

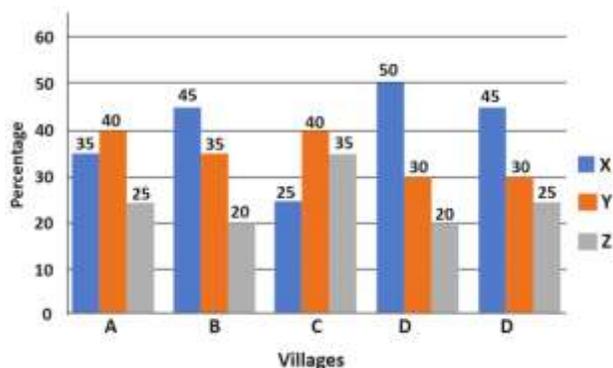
A  
= 40% of 5000 =  $\frac{40}{100} \times 5000 = 2000$

B  
= 35% of 6000 =  $\frac{35}{100} \times 6000 = 2100$

Total person = 2000 + 2100 = 4100

13.The given Bar Graph presents the percentages of population in the age groups, X(above 50 years), Y(20 to 50 years), Z(below 20 years) in five different villages, A, B, C, D and E with total population of 5000, 6000, 8000, 4500 and 6000 respectively.





The number of persons having ages below 20 years in villages, B and C taken together is what percentage of the total population of the said villages?

- A.  $\frac{190}{7}$
- B.  $\frac{186}{5}$
- C.  $\frac{200}{7}$
- D.  $\frac{184}{5}$

**Ans. C**

**Sol.**

Since we have to find number of persons below 20 years.

We will see the Z column only.

For B : people below 20 years =

$$20\% \text{ of } 6000 = \frac{20}{100} \times 6000 = 1200$$

For C : people below 20 years =

$$35\% \text{ of } 8000 = \frac{35}{100} \times 8000 = 2800$$

$$\text{Total population of B and C} = 6000 + 8000 = 14000$$

Ratio

$$= \frac{1200+2800}{14000} = \frac{4000}{14000} \times 100 = \frac{200}{7}$$

14. The bar chart given below shows the ratio of expenditure to revenue for seven consecutive years Y1, Y2, Y3, Y4, Y5, Y6, and Y7.



The profit percentage is lowest for which year?

- A. Y4
- B. Y7
- C. Cannot be determined
- D. Y3

**Ans. B**

**Sol.**

Profit percentage will be the lowest for the year expenditure to revenue ratio is the highest.

Therefore, profit percentage is the lowest for the year Y7.

**Direction:** Study the following information carefully and answer the question given below:

Subscription to different Schemes of Mutual Fund Company over the months in year 2008-2009. (Rupees in Crore)



Month	A	B	C	D	E	Total
Sep'08	200	70	30	290	10	600
Oct'08	120	130	70	150	290	760
Nov'08	45	35	25	125	160	390
Dec'08	160	110	40	115	130	555
Jan'09	80	90	70	100	140	520
Feb'09	130	150	30	40	390	740

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

- A. E
- B. B
- C. D
- D. C

**Ans. A**

**Sol.**

Total subscription of company E = 1120

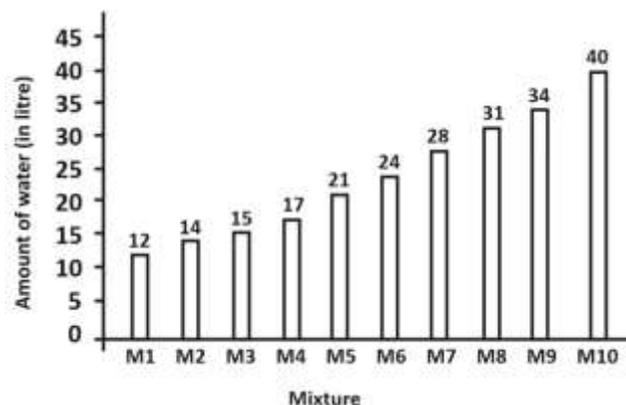
Total subscription of company B = 585

Total subscription of company D = 820

Total subscription of company C = 265

∴ It is clear from the above data that company E is the most popular among all the given companies. Hence, option A is the correct answer.

16. The Bar graph given below presents the amount (volume in litres) of water in ten different mixtures.



The amount of water in mixture M3 is what percent of amount of water in mixture M6?

- A. 44.5
- B. 62.5
- C. 50.5
- D. 56.5

**Ans. B**

**Sol.** Amount of water in mixture M3 = 15 litre

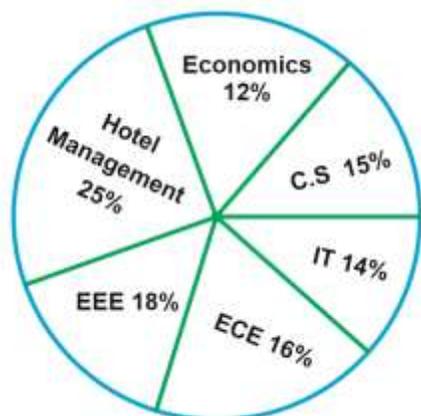
Amount of water in mixture M6 = 24 litre

$$\begin{aligned} \text{Required} & \qquad \qquad \qquad \text{percentage} \\ &= \frac{15}{24} \times 100 = 62.5\% \end{aligned}$$

**Direction:** Study the following pie chart and table to answer the questions. Total number of students admitted in a university in various fields = 5000

Distribution of the number of students into various fields:





Fields	No. of Boys
Economics	56%
CS	44%
IT	65%
ECE	72%
EEE	68%
Hotel Management	80%

17. What is the average number of boys in CS, ECE and EEE fields?

- A. 506
- B. 514
- C. 516
- D. 406

**Ans. A**

**Sol.**

No. of students in CS =  $5000 \times 15\%$   
= 750

No. of students in ECE =  $5000 \times 16\%$  = 800

No. of students in EEE =  $5000 \times 18\%$  = 900

No. of boys in CS =  $750 \times 44\%$  = 330

No. of boys in ECE =  $800 \times 72\%$  = 576

No. of boys in EEE =  $900 \times 68\%$  = 612

Average number of boys in CS, ECE and EEE fields

$$= \frac{330 + 576 + 612}{3} = \frac{1518}{3} = 506$$

Direction: The following table represents the total cultivated area (in lakh hectares) in the six states for three years 2011, 2012, and 2013. Study the given data and answer the questions that follow:

State	2011	2012	2013
Punjab	220	256	264
Haryana	120	108	151
Uttar Pradesh	100	143	128
Madhya Pradesh	40	85	90
Maharashtra	80	150	175
Rajasthan	30	26	24

18. What was the percentage increase of land under cultivation in Punjab in the year 2013 as against 2011?

- A. 20
- B. 16.36
- C. 25.8
- D. 22.33

**Ans. A**

**Sol.**

Land under cultivation in Punjab in the year 2011 = 220 hectares

Land under cultivation in Punjab in the year 2013 = 264 hectares



Increase of land under cultivation in Punjab in the year 2013 as against 2011 =  $264 - 220 = 44$  hectares

$$\text{Required \%} = \frac{44}{220} \times 100 = 20\%$$

19. 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?

- A. December 2008
- B. January 2009
- C. October 2008
- D. September 2008

**Ans. A**

**Sol.**

Subscription to B in December = 110 crore

Subscription to C in December = 40 crore

∴ Total subscription to B and C in December =  $110 + 40 = 150$  crore

And it is equal to the subscription to B in February.

Hence, option A is the correct answer.

20. What is the difference in total cultivated land in all the 3 years put together between Maharashtra and Madhya Pradesh (in lakh hectares)?

- A. 135
- B. 34
- C. 190
- D. 174

**Ans. C**

**Sol.**

Total cultivated land in all the 3 years in Maharashtra =  $80 + 150 + 175 = 405$  lakh hectares

Total cultivated land in all the 3 years in Madhya Pradesh =  $40 + 85 + 90 = 215$  lakh hectares

Required difference =  $405 - 215 = 190$  lakh hectares

21. Which of the factories witnessed the highest increase in the percentage of sales from 2018 to 2019?

- A. F2
- B. F3
- C. F4
- D. F1

**Ans. D**

**Sol.**

Increase in the percentage of sales from 2018 to 2019 in factory F1

$$= \frac{83 - 72}{72} \times 100 = \frac{11}{72} \times 100 =$$

15.28%

Increase in the percentage of sales from 2018 to 2019 in factory F2

$$= \frac{73 - 71}{71} \times 100 = \frac{2}{71} \times 100 =$$

2.82%

Increase in the percentage of sales from 2018 to 2019 in factory F3

$$= \frac{69 - 64}{64} \times 100 = \frac{5}{64} \times 100 =$$

7.81%

Increase in the percentage of sales from 2018 to 2019 in factory F4

$$= \frac{69 - 68}{68} \times 100 = \frac{1}{68} \times 100 =$$

1.47%



Hence, factory F1 witnessed the highest increase in the percentage of sales from 2018 to 2019.

22. The expenditure as a percentage of salary is the least for:
- A. A
  - B. B
  - C. D
  - D. C

**Ans. D**

**Sol.**

Expenditure as a percentage of salary for A =  $\frac{6000}{12000} \times 100 = 50\%$

Expenditure as a percentage of salary for B =  $\frac{7500}{18000} \times 100 = 41.67\%$

Expenditure as a percentage of salary for C =  $\frac{5550}{15000} \times 100 = 37\%$

Expenditure as a percentage of salary for D =  $\frac{6000}{16000} \times 100 = 37.5\%$

Hence, expenditure as a percentage of salary is the least for C.

23. Find the number of students more in computer science branch than in Bio-Tech. If 625 students are in Civil branch?

- A. 125
- B. 75
- C. 45
- D. 120

**Ans. B**

**Sol.**

Given-

$$125^\circ \rightarrow 625$$

$$1^\circ \rightarrow \frac{625}{125} = 5$$

Required-

The number of students more in Computer Science branch than that of Bio-Tech branch

$$= 45^\circ - 30^\circ$$

$$= 15^\circ$$

$$= 15 \times 5 = 75.$$

24. What is the ratio of total sales of F1 to that of F4 across all years?

- A. 11 : 10
- B. 10 : 9
- C. 9 : 11
- D. 3 : 7

**Ans. A**

**Sol.**

Total sales of F1 across all years =  $65 + 72 + 83 = 220$  thousands

Total sales of F4 across all years =  $63 + 68 + 69 = 200$  thousands

Required, ratio =  $220 : 200 = 11 : 10$

25. The tax as a percentage of salary is highest in case of:

- A. B
- B. D
- C. A
- D. C

**Ans. A**



**Sol.**

Tax as a percentage of salary for A

$$= \frac{450}{12000} \times 100 = 3.75\%$$

Tax as a percentage of salary for B

$$= \frac{950}{18000} \times 100 = 5.28\%$$

Tax as a percentage of salary for C

$$= \frac{550}{15000} \times 100 = 3.67\%$$

Tax as a percentage of salary for D

$$= \frac{600}{16000} \times 100 = 3.75\%$$

Hence, tax as a percentage of salary is the highest in case of B.

26. If 625 students are in Civil branch then find the ratio of students in Law and computer science branch?

- A. 5 : 7
- B. 5 : 9
- C. 9 : 5
- D. 11 : 12

**Ans. B**

**Sol.**

Required ratio = Law : Computer Science  
= 25 : 45  
= 5 : 9.

27. Which factory had the least number of sales across all the years?

- A. F4
- B. F2
- C. F3
- D. F1

**Ans. C**

**Sol.**

Total sales of F1 across all years = 65 + 72 + 83 = 220 thousands

Total sales of F2 across all years = 69 + 71 + 73 = 213 thousands

Total sales of F3 across all years = 58 + 64 + 69 = 191 thousands

Total sales of F4 across all years = 63 + 68 + 69 = 200 thousands

Hence, factory F3 had the least number of sales across all the years.

28. Tax as the percentage of salary is least in case of:

- A. B
- B. C
- C. A
- D. D

**Ans. B**

**Sol.**

Tax as a percentage of salary for A

$$= \frac{450}{12000} \times 100 = 3.75\%$$

Tax as a percentage of salary for B

$$= \frac{950}{18000} \times 100 = 5.28\%$$

Tax as a percentage of salary for C

$$= \frac{550}{15000} \times 100 = 3.67\%$$

Tax as a percentage of salary for D

$$= \frac{600}{16000} \times 100 = 3.75\%$$

Hence, tax as a percentage of salary is least in case of C.



29. Which factory had the highest sales across all the years?

- A. F2
- B. F1
- C. F4
- D. F3

**Ans. B**

**Sol.**

Total sales of F1 across all years =  
65 + 72 + 83 = 220 thousands

Total sales of F2 across all years =  
69 + 71 + 73 = 213 thousands

Total sales of F3 across all years =  
58 + 64 + 69 = 191 thousands

Total sales of F4 across all years =  
63 + 68 + 69 = 200 thousands

Hence, factory F1 had the highest sales across all the years.

30. Savings as a percentage of salary is highest in case of:

- A. C
- B. A
- C. B
- D. D

**Ans. A**

**Sol.**

Savings as a percentage of salary for A =  $\frac{5550}{12000} \times 100 = 46.25\%$

Savings as a percentage of salary for B =  $\frac{9550}{18000} \times 100 = 53.06\%$

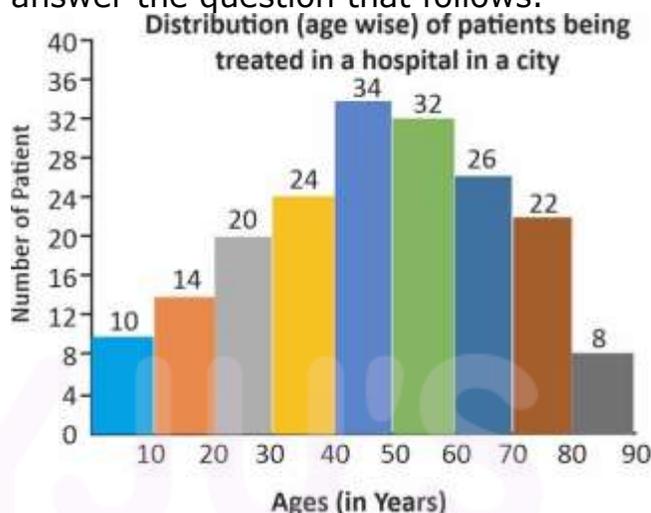
Savings as a percentage of salary for C =  $\frac{8900}{15000} \times 100 = 59.33\%$

Savings as a percentage of salary

$$\text{for D} = \frac{9400}{16000} \times 100 = 58.75\%$$

Hence, savings as a percentage of salary is the highest in case of C.

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



The number of patients aged 10 or more years but below 40 years is what per cent less than the number of patients aged 50 or more years but below 80 years?

- A. 30.2
- B. 25
- C. 34
- D. 27.5

**Ans. D**

**Sol.**

Number of patients aged 10 or more years but below 40 years = 14 + 20 + 24 = 58

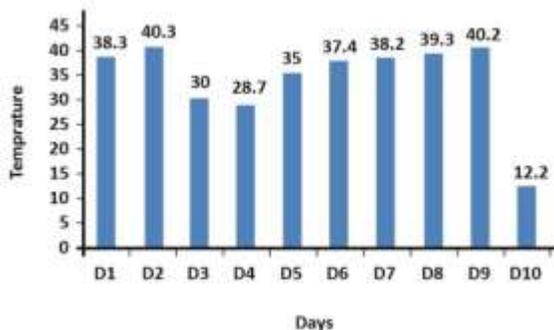
Number of patients aged 50 or more years but below 80 years = 32 + 26 + 22 = 80

Required percentage



$$= \frac{80 - 58}{80} \times 100 = \frac{22}{80} \times 100 = 27.5\%$$

32. The Bar graph given below presents the maximum temperature (in C) of a city for 10 different days spread over several months.



What is the average maximum temperature of the city per day for the given ten days?

- A. 44.96°C
- B. 32.96 °C
- C. 33.96 °C
- D. 35.96 °C

**Ans. C**

**Sol.**

The average maximum temperature of the city per day for the given ten days

$$= \frac{38.3 + 40.3 + 30 + 28.7 + 35 + 37.4 + 38.2 + 39.3 + 40.2 + 12.2}{10}$$

$$= 33.96 \text{ } ^\circ\text{C}$$

**Direction:** The following table represents the number of items sold by four divisions of a consumer goods dealer during 2010 to 2013

Year	Division			
	W	X	Y	Z
2010	100	96	110	136
2011	130	134	114	108
2012	140	144	164	96
2013	86	112	76	80

33. The combined sales figures in 2011 and 2013 of which division was the lowest?

- A. Y
- B. W
- C. Z
- D. X

**Ans. C**

**Sol.**

Sales of W = 130+86 = 216

Sales of X = 134+112 = 246

Sales of Y = 114+76 = 190

Sales of Z = 108+80 = 188

It is clear that sales of Z is lowest in 2011 and 2013.

34. What is the average number of girls in all the classes?

- A. 59
- B. 58
- C. 60
- D. 57

**Ans. A**

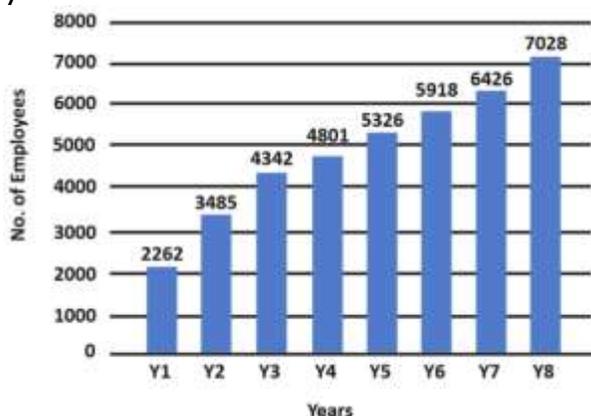
**Sol.**

Total number of girls in all the classes = 58 + 57 + 62 + 59 = 236

Average number of girls in all the classes = 236/4 = 59



35. The Bar graph shown below presents the number of employees in an office during eight consecutive years.



What is the growth percentage in the number of employees from Y5 to Y6?

- A. 10.00
- B. 11.96
- C. 11.11
- D. 12.04

**Ans. C**

**Sol.**

Number of employees during Y5 = 5326

Number of employees during Y6 = 5918

Difference = 592

Growth percentage

$$= \frac{\text{Difference}}{\text{Number of employees during Y5}} \times 100 = \frac{592}{5326} \times 100 = 11.11\%$$

36. What is the ratio of total number of items sold by Y in 2012 and 2013 to that of Z in the same period?

- A. 15 : 11
- B. 11 : 16
- C. 11 : 15
- D. 16 : 11

**Ans. A**

**Sol.**

Total items sold by Y in 2012 and 2013 = 164 + 76 = 240

Total items sold by Z in 2012 and 2013 = 96 + 80 = 176

$$\therefore Y : Z = 240 : 176 = 15 : 11$$

Hence, option A is the correct answer.

37. In which class, the percentage increase in the number of boys as compared to its previous class is least?

- A. Class VI
- B. Class V
- C. Class VII
- D. Class VIII

**Ans. D**

**Sol.**

For class V, there is no previous class.

For class VI, there is a decrease in number of boys from 65 to 59.

For class VII, percentage increase in number of boys =  $(60 - 59)/59 \times 100 = 100/59\%$

For class VIII, percentage increase in the number of boys =  $(61 - 60)/60 \times 100 = 100/60\%$

Therefore, percentage increase in number of boys is minimum in VIII class.



38. The following table shows the production of fertilizers (in lakh tonne) by six companies for 5 months (January to May).

Months	Companies					
	I	II	III	IV	V	VI
January	327	180	185	137	145	120
February	326	179	187	162	146	122
March	320	160	188	173	135	130
April	318	167	177	180	140	130
May	310	150	160	178	140	128

There a continuous decrease in production over the months in:

- A. Company III
- B. Company II
- C. Company IV
- D. Company I

**Ans. D**

**Sol.**

If we see thoroughly, we get company I, where, there is continuous decrease.

39. Which class has the maximum number of students?

- A. Class VI
- B. Class VIII
- C. Class V
- D. Class VII

**Ans. C**

**Sol.**

Total number of students in class V = 65 + 58 = 123

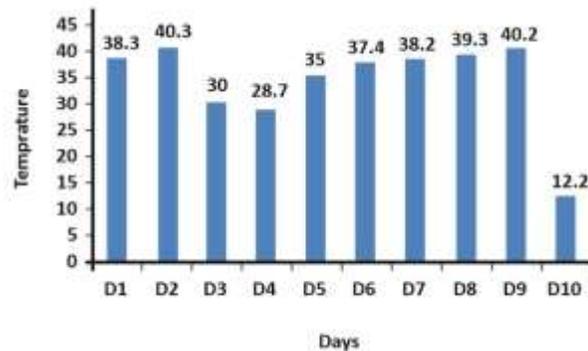
Total number of students in class VI = 59 + 57 = 116

Total number of students in class VII = 60 + 62 = 122

Total number of students in class VIII = 61 + 59 = 120

Therefore, class V has maximum number of students.

40. The Bar graph given below presents the maximum temperature (in °C) of a city for 10 different days spread over several months.



The temperature on D5 is how much percentage more than the temperature on D3?

- A. 16.67%
- B. 23.01%
- C. 21.07%
- D. 24.57%

**Ans. A**

**Sol.**

Temperature on D5 = 35

Temperature on D3 = 30

Difference = 5

Required percentage

$$= \frac{5}{30} \times 100 = 16.67\%$$



41. Refer the below data table and answer the following Question.

Day of the week	Distance jogged (in kms)
Monday	0.5
Tuesday	3
Wednesday	0.5
Thursday	2.5
Friday	2
Saturday	3.5
Sunday	1

If 400 calories burned by jogging 5 km, how many calories were burnt in the given week?

- A. 990 calories
- B. 1090 calories
- C. 1040 calories
- D. 940 calories

**Ans. C**

**Sol.** Total distance jogged in the given week =  $0.5 + 3 + 0.5 + 2.5 + 2 + 3.5 + 1$   
= 13 km

Given that, 400 calories burned by jogging 5 km

Thus, by jogging 13km, calories burned =  $400 \times 13/5$   
= 1040 calories.

42. Refer the below data table and answer the following Question.

	Cumulative production
January	330
February	580
March	1210
April	1800
May	2330
June	2870

How many cars were manufactured in the months of April and May?

- A. 1070
- B. 1120
- C. 1220
- D. 4130

**Ans. B**

**Sol.** Numbers of cars manufactured in the months of April and May =  $2330 - 1210$   
= 1120

43. The following table shows the number of children in each house of a society.

Number of children	Number of house
0	5
1	14
2	10
3	3

What is the average number of children per house?

- A. 1.34
- B. 1.59
- C. 1.84
- D. 1.09

**Ans. A**

**Sol.**

Number of children	Number of house	Total children in all houses
0	5	0
1	14	14
2	10	20
3	3	9
	Total = 32	Total = 43



From the table, the average number of children per house =  $\frac{43}{32}$   
= 1.34

**Direction:** Study the following table carefully and answer the question given below.

Marks (out of 50) obtained by three students A, B and C in five subjects in two periodical examination of each subject.

Subject	Student					
	A		B		C	
	Periodicals					
	I	II	I	II	I	II
Math	40	30	30	20	30	35
Science	30	40	25	45	38	42
Hindi	35	25	33	27	35	40
English	45	47	42	43	45	25
Geo	25	28	30	28	26	28

44. Which of the student had highest average marks in Geography in all periodicals?

- A. C
- B. A
- C. B
- D. All are equally averaged
- E. None of these

**Ans. C**

**Sol.** Total marks in Geography for student A = 53

For student B = 58

For student C = 54

As B's total marks in Geography was highest, his average marks in Geography was highest.

45. Refer the below data table and answer the following Question.

Division/Std	Boys	Girls
Division A/Standard 5	30	40
Division B/Standard 5	10	20
Division C/Standard 5	40	10
Division A/Standard 6	30	10
Division B/Standard 6	15	15
Division C/Standard 6	20	20

What is the ratio of boys to girls?

- A. 23 : 29
- B. 31 : 25
- C. 25 : 31
- D. 29 : 23

**Ans. D**

**Sol.** Total number of boys =  $30 + 10 + 40 + 30 + 15 + 20 = 145$

Total number of girls =  $40 + 20 + 10 + 10 + 15 + 20 = 115$

Required ratio =  $\frac{145}{115} = \frac{29}{23}$

Required ratio = 29:23

46. What was the average marks of the five subjects of student A in the 1<sup>st</sup> periodical?

- A. 32
- B. 34
- C. 40
- D. 35
- E. None of these

**Ans. D**

**Sol.** Average marks of A in 1<sup>st</sup> periodical =  $\frac{(40+30+35+45+25)}{5} =$

35



47. Refer the below data table and answer the following Question.

	Boys	Girls
Medical	25	70
Engineering	75	35

What percent students who chose Engineering are girls?

- A. 17.07
- B. 33.33
- C. 46.67
- D. 31.82

**Ans. D**

**Sol.** Number of Engineering students = 75 + 35 = 110

Number of girls in Engineering students = 35

Therefore, percentage of girl students in Engineering =  $\frac{35}{110} \times 100 = 31.82\%$

48. Refer the below data table and answer the following Question.

Partners	Present %share
Anand	15
Basu	15
Chinmay	10
Dhiraj	15
Ejaz	45

If the company has issued six lakh shares between its five partners and if Chinmay offers to sell 15000 of his shares to Ejaz, then Ejaz will have how many shares?

- A. 300000 shares
- B. 270000 shares
- C. 285000 shares
- D. 255000 shares

**Ans. C**

**Sol.** Share of Ejaz = 45% of 6 lakhs + 15000  
 = 2,70,000 + 15000  
 = 2,85,000 shares

49. Refer the below data table and answer the following Question.

Day of the week	Distance jogged (in kms)
Monday	4.5
Tuesday	0.5
Wednesday	1.5
Thursday	2.5
Friday	4
Saturday	4
Sunday	3.5

If 400 calories are burned by jogging 5 km, how many calories were burnt in the given week?

- A. 1690 calories
- B. 1590 calories
- C. 1540 calories
- D. 1640 calories

**Ans. D**

**Sol.** Total calories burnt in a week  
 Distance jogged = 4.5 + 0.5 + 1.5 + 2.5 + 4 + 4 + 3.5  
 = 20.5 km

Given: If 400 calories are burned by jogging 5 km.

Then, in 1 km, number of calories burnt = 400/5 = 80 calories. So, in 20.5 km, number of calories burnt = 80 × 20.5 = 1640 calories.



50. Refer the below data table and answer the following Question.

	Cumulative production
January	600
February	1200
March	1900
April	2310
May	2860
June	3210

How many cars were manufactured in the months of April and May?

- A. 1110
- B. 900
- C. 960
- D. 570

**Ans. C**

**Sol.** Number of cars manufactured in April =  $2310 - 1900$   
= 410

And number of cars manufactured in May =  $2860 - 2310$   
= 550

∴ Total number of cars manufactured in April and May =  $410 + 550$   
= 960



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