

Study the following table carefully.

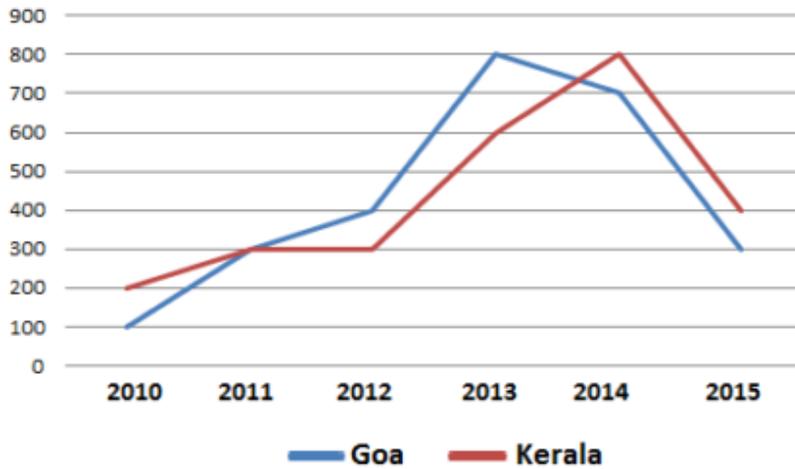
Some values are missing. Complete that based on given information in each question to answer the question. The table shows the number of employees in an organization in 5 different cities with total employees being 2130 in the organization. Table also shows the percentage of employees working in 4 departments – HR, Finance, Software and Accounts with each employee in only 1 department.

Class	Employees	HR	Finance	Software	Accounts
Delhi	450		18%		28%
Mumbai	380	15%		30%	
Bengaluru		18%	20%		32%
Hyderabad			25%	18%	35%
Gurgaon	350	20%	22%		20%

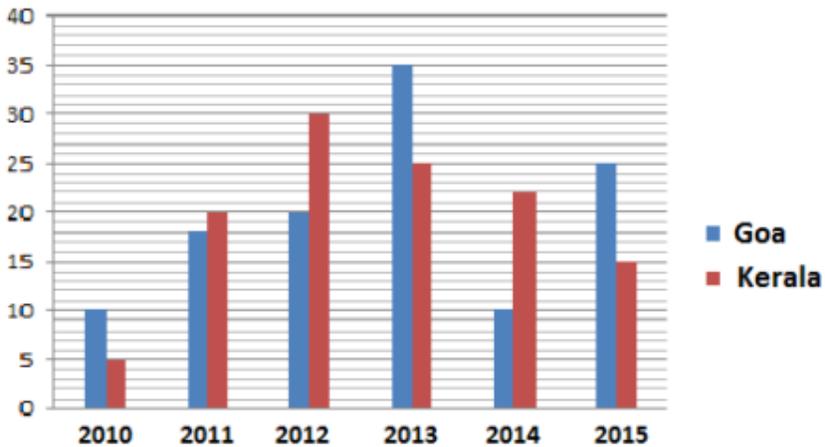
1. What is the total number of employees in Mumbai and Gurgaon who work in Software department?
A. 292
B. 226
C. 285
D. 247
E. None of these
2. If in Delhi, employees who work in Accounts department are 40% more than employees who work in HR department, then what is the number of employees who work in Software department in Delhi?
A. 133
B. 153
C. 176
D. 147
E. None of these
3. If number of employees in Bengaluru is 10% less than number of employees in Hyderabad, then what is the difference between number of employees who work in Accounts department in these 2 cities and who work in Finance department in these 2 cities?
A. 122
B. 104
C. 97
D. 135
E. 116
4. If a same criterion as taken in question 3 is taken, in which city the total employees who work in Finance and Accounts departments is more?
A. Delhi
B. Mumbai
C. Bengaluru
D. Hyderabad
E. Gurgaon
5. If in Mumbai, number of employees who work in Accounts department is 19 more than the number of employees who work in Software department in Gurgaon, then what is the number of employees who work in Finance department in Mumbai?
A. 57
B. 60
C. 49
D. 62
E. 55

Study the following charts carefully and answer the questions that follow

Number of students who took part in different competitions from two states



Percentage of students who won medals from different states



6. How many students from Goa won medals in the years 2010, 2012 and 2015 together?

- A. 120
- B. 125
- C. 165
- D. 132
- E. 155

7. Number of students from Goa who got medals is approximately what percent of number of students from Kerala who got medals?

- A. 98
- B. 143
- C. 104
- D. 100
- E. 116

8. What is the difference between number of students who do not won medals in the year 2010 and 2011 together from Kerala and who do not won medals in the year 2014 and 2015 together from Goa?

- A. 568

- B. 425
- C. 320
- D. 438
- E. 505

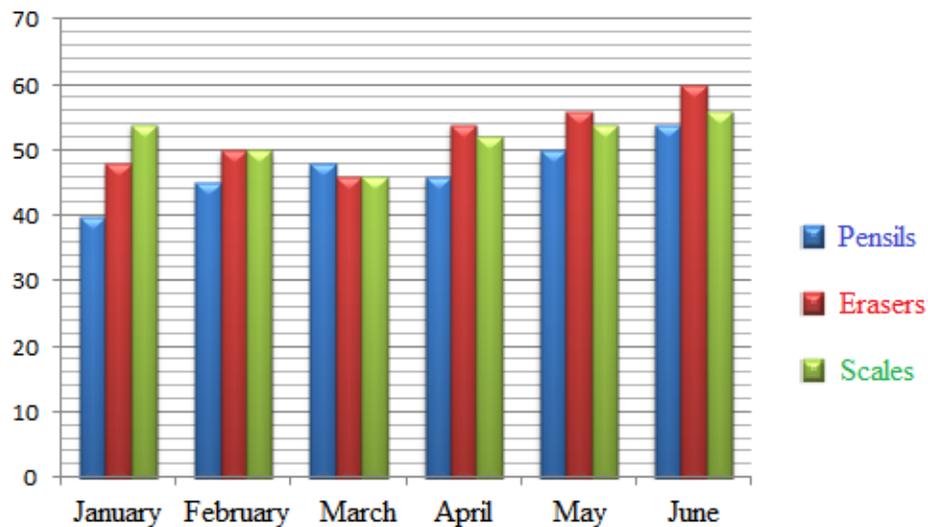
9. What is the ratio of the total number of students who do not won medals in the years 2012 and 2013 from Goa to same years from Kerala?

- A. 32 : 49
- B. 11 : 15
- C. 15 : 22
- D. 21 : 23
- E. 14 : 11

10. What is the total number of students who won medals from Goa in the year 2013 and who do not won medals from Kerala in the year 2012?

- A. 440
- B. 470
- C. 415
- D. 490
- E. 480

The following bar graph shows the production (in thousands) of different products in a company in 6 different months.



11. In how many months in the percentage rise/fall in production of Erasers from the previous month less than 10%?

- A. 1
- B. 3
- C. 4
- D. 2
- E. None of these

12. The production of pencils for the given period is approximately what percentage of the total production of all the three products during the given period?

- A. 23%
- B. 45%
- C. 17%
- D. 31%
- E. None of these

13. What is the difference between the average production of scales in April, May and June and the average production of erasers from January to June?
- A. 1.22
 - B. 1.67
 - C. 1.97
 - D. 1.35
 - E. 1.16
14. If in July, the production of pencils get increased by 12%, that of erasers get increased by 8% and that of scales get decreased by 5% over the previous month, find the total production of all the 3 products in July.
- A. 123.45 thousand
 - B. 178.48 thousand
 - C. 132.56 thousand
 - D. 142.42 thousand
 - E. 138.67 thousand
15. If selling price of one pencil is Rs 8 and that of one scale is Rs 11, then what is the difference between the revenues of pencils and scales during the given months?
- A. 1174 thousand
 - B. 1438 thousand
 - C. 1624 thousand
 - D. 1238 thousand
 - E. 1168 thousand

Study the following carefully and answer the questions that follow

A school has a total of 3000 students in 5 different classes as 1, 2, 3, 4, and 5. The ratio of boys to girls in the school is 4 : 2 respectively. 14% of the boys are in class 1. 20% of the girls are in class 5. The ratio of boys to girls in class 1 is 4 : 6 respectively. One-eighth of the girls are in class 3. 44% of the boys are in class 4. Number of girls in class 4 is 20% of the boys in the same class. The remaining girls are in class 2. The total number of students in class 3 is 345. 24% of the boys are in class 2 and the remaining boys are in class 5.

16. The total number of students in class 3 is what percent of the total number of students in the school?
- A. 12.0%
 - B. 12.5%
 - C. 11.5%
 - D. 13.2%
 - E. 15.5%
17. How many boys are there in class 5?
- A. 98
 - B. 143
 - C. 130
 - D. 140
 - E. 116
18. The number of boys in class 5 is what percent of the number of boys in the school?
- A. 5%
 - B. 7%
 - C. 3%
 - D. 4%
 - E. 6%
19. Find the total number of girls in class 3 and class 4?
- A. 291
 - B. 315
 - C. 303

D. 301

E. 296

20. The number of girls in class 1 is what percent of the total number of girls in the school?

A. 44%

B. 47%

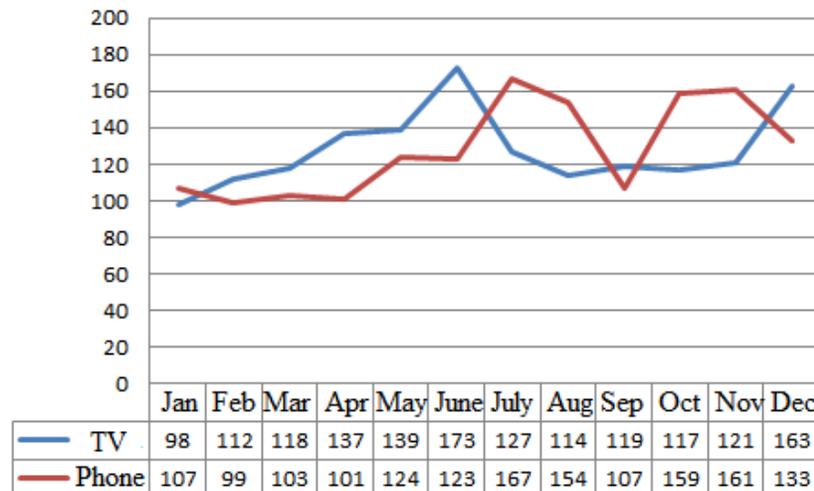
C. 41%

D. 42%

E. 48%

Study the following line chart carefully and answer the questions that follow

**The line chart shows the sales of TVs and
Mobiles (in thousands) of company ABC**



21. What is the ratio of sales of Phones in first six months to the ratio of sales of TV during the same period?

A. 260 : 233

B. 205 : 226

C. 234 : 243

D. 219 : 259

E. 213 : 256

22. In which months is the difference between the sales of the two products the same?

A. Jan, July and Dec

B. July, Aug and Nov

C. Feb, June and Aug

D. July, Sep and Nov

E. None of these

23. If the people who buy Phones are 20% more than the people who buy TV, then total sales of which product is minimum?

A. TV

B. Phones

C. Same for both products

D. Cannot be Determined

E. Can be any product

24. In which month from Mar, May, July, Sep and Nov is the % rise in sales of TV the maximum compared to preceding month?

A. Mar

- B. May
- C. July
- D. Sep
- E. Nov

25. The sales of TV in the months of July and Aug together in what approximately percent less than the sales of same in the months May and June?

- A. 11%
- B. 23%
- C. 16%
- D. 19%
- E. 26%

Study the following information carefully to answer the given questions

Seven people namely, A, B, C, D, E, F and G have an appointment but not necessarily in the same order. on seven different months(of the same year) namely January, February, April, June, August, October and December. Each of them also likes different colors namely Blue, Pink, Purple, Brown, White, Black and Orange but not necessarily in the same order.

The one who likes Black has an appointment on one of the months before April. Only two people have an appointment between the one who likes Black and the one who likes Purple. Only one person has an appointment between the one who likes Purple and the one who likes Orange. The one who likes Orange has an appointment in a month which has 31 days. Only three people have an appointment between the one who likes Orange and E. G has an appointment on one of the months before E. G does not have appointment in the month which has the least number of days. Only three people have an appointment between G and C. Only one person has an appointment between C and the one who likes White. The one who likes White has an appointment before C. The one who likes White has an appointment before C. The one who likes Pink has an appointment immediately before B. B has an appointment in a month which has less than 31 days. Only one person has an appointment between A and F. A has an appointment before F. Only one person has an appointment between F and the one who likes Blue

26. Who amongst the following as an appointment before the one who has an appointment in December?

- A. B
- B. E
- C. C
- D. The one who likes Orange
- E. The one who likes Brown

27. In which of the following pairs, both the persons have an appointment in months which have less than 31 days?

- A. A, F
- B. F, D
- C. B, F
- D. E, D
- E. E, A

28. Which of the following combinations is correct?

- A. G - Pink
- B. A - Purple
- C. F - Orange
- D. B - White
- E. D - Purple

29. As per the given arrangement Black is related to April and White is related to June following a certain pattern, which of the following is Blue related to the following same pattern?

- A. February
- B. October
- C. December

D. August

E. January

30. Who amongst the following likes Orange?

A. F

B. D

C. A

D. B

E. Other than those given as options

Study the following information carefully to answer the given questions

Eight People – A, B, C, D, E, F, and G live in eight different floors of building (but not necessarily in the same order). One of the floors in the building is vacant. The lowermost floor of the building is numbered one, the one above that is numbered two, and so on till the topmost floor is numbered eight. Each one of them owns different brands of laptops, namely Lenovo, Dell, HP, Samsung, Apple, Asus and TOSHIBA (but not necessarily in the same order). Each one of them likes different colors namely viz – Yellow, Red, Purple, Orange, Black, Blue and Green.

The person who likes Red lives immediately above the person who likes Purple and immediately below the person who likes Orange. The number of people living above F is same as the number of floors between F and D. F lives an odd numbered floor above the floor numbered four. Only one person lives between B and the one who owns Samsung. Only three floors between D and the one who owns Apple. Neither C nor G like Red. The one who owns Asus lives immediately above G, G owns neither Apple nor HP. E does not own Asus. Only three floors between G and A. The person who likes Yellow lives immediately above the one who likes Black. The one who owns TOSHIBA lives immediately above the one who owns Lenovo, but not on the topmost floor. C lives one of the odd numbered floors above the one who owns Apple. The number of floors between F and the one who owns DELL is only one. Only one person lives between the one who owns TOSHIBA and the vacant floor. Only two people live between C and vacant floor. The person who likes Green live one of the floors above the floor numbered 5.

31. Which of the following Statements is true with respect to the given information?

A. G lives immediately above the one who likes Blue

B. E lives immediately above C

C. Only three people live between F and the one who owns TOSHIBA.

D. D owns Samsung.

E. All the given statements are true.

32. Who amongst the following lives exactly between the vacant floor and the one who owns Lenovo Laptop?

A. B, C

B. G, D

C. F, G

D. A, B

E. E, A

33. Who among the following likes Orange color?

A. C

B. G

C. F

D. E

E. A

34. Four of the following five are alike in a certain way and so form a group. Which one of the following does not belong to the group?

A. G – HP

B. C – Apple

C. F – Samsung

D. E – Lenovo

E. D – DELL

35. How many people live between E and C?

A. Four

B. Three

C. None

D. Five

E. Two

Study the following information carefully to answer the given questions

Ten students namely viz A, B, C, D, E, F, G, H, I and J of ten different colleges but not necessarily in the same order have seminar on five different days starting from Monday to Friday of the same week. Each student have seminar at two different time slots, i.e 10.00 AM and 3 P.M. Each student like different colours namely viz – Green, Yellow, Purple, Pink, Blue, Black, Brown, Red, Grey and White.

Persons who like Red, Green, Pink, Black and White have seminar at 10:00 A.M. Persons who like Brown, Yellow, Purple, Blue and Grey have seminar at 03:00 P.M. I has a seminar on Tuesday at 10.00 A.M. The number of people who have seminar between G and D is same as the number of people who have seminar between C and H. Persons who like Red and Blue have seminar on Monday and the persons who like White and Grey have Seminar on Friday. B has a seminar immediately before I. I does not have seminar on any of the days before G. The one who has seminar at 10.00 A.M immediately before J. H does not has seminar at 3 P.M D has a seminar immediately after the day of one who has seminar on Monday. F does not have seminar at 3 P.M D does not has seminar on any one of the days after E. Only three people have seminar between G and E. Persons who like Pink and Purple went to seminar neither on Tuesday nor Thursday. Neither E nor G does not have seminar on Friday. Only two people have seminar between F and J. F does not has seminar on any of the days after H. Persons who like Green and Yellow does not have seminar on Thursday.

36. How many persons have seminar at 3'0 clock between G and H?

A. 5

B. 6

C. 2

D. 4

E. None of these.

37. Who among the following person has seminar at 10 A.M?

A. C

B. B

C. D

D. A

E. E

38. Four among the following form a group in a certain way. Which of the following does not belong to Group?

A. G – Tuesday

B. I – Wednesday

C. F – Friday

D. G – Wednesday

E. E – Thursday

39. Who among the following likes Grey Colour?

A. I

B. J

C. F

D. D

E. C

40. Who among the following have seminar on Thursday?

- A. I,E
- B. H,J
- C. F,A
- D. D,E
- E. E,C

Study the following information carefully to answer the given questions.

Seven different Mobile shops – A, B, C, D, E, F and G sold Mobiles starting from Monday to Sunday (of the same week) not necessarily in same order. The number of smartphones sold by the Seven shops in seven different days is 6, 13, 10, 12, 20, 15 and 27 (not necessarily in same order). Each shop sells a different brand of smartphones namely viz., Lenovo, Sony, Apple, Xiaomi, Motorola, HTC, and Samsung.

Shop F sold more number of Mobiles than Shop D. There are only three shops sold before the one which sold Xiaomi brand. The shop F sold Mobiles on one of the days after the shop which sold 6 Mobiles. The Shop 'A' sold on one of the days after Friday. E did not sell Samsung models. On Wednesday, the number of Mobiles sold is 12. There is only one shop between the shops which sold Samsung and Sony mobiles. G did not sell Sony models. The difference between the number of Mobiles sold on Monday and Friday is the multiple of the number 7. There are two shops sold mobiles between the shop F and the shop which one sold 6 Mobiles. Shop B sold Mobiles on one of the days immediately before the shop that sold 10 Mobiles. There are two shops sold mobiles between B and G. There are three shops sold mobiles between the shop F and D. C not sold the least number of Mobiles. The one which sold Samsung mobiles immediately before the one which sold Motorola mobiles. The sum of Mobiles sold on Wednesday and Saturday is more than ten and the sum equals to the number of Mobiles sold on Friday. The difference between the number of Mobiles sold by Shop B and G is less than five. The one which sold Apple mobiles immediately before the one which sold HTC mobiles. The Shop which sold 10 Mobiles, not on Friday. There are only two shops between the shops which sold Lenovo and Xiaomi. The shop which sold more than 12 Mobiles(not an odd number) is immediately after the one which sold 12 Mobiles.

41. Which of the following is sold by Shop A?

- A. Apple
- B. HTC
- C. Xiaomi
- D. Sony
- E. Samsung

42. Which of the following combinations of "Shop – Day – Number of Mobiles – Brand" is True with respect to the given arrangement?

- A. E – Friday – 15 – Xiaomi
- B. A – Saturday – 6 – Samsung
- C. C – Thursday – 20- Xiaomi
- D. B – Friday – 13 – Sony
- E. E – Thursday – 10 – Apple

43. Which of the following shop sold Mobiles immediately after D?

- A. D
- B. E
- C. F
- D. A
- E. None

44. In this arrangement, A is related to Monday, F is related to Wednesday then B is related to?

- A. Tuesday
- B. Wednesday
- C. None of the given options is true.

D. Saturday

E. Sunday

45. What is the difference between the number of mobiles sold on Friday and Thursday?

A. 8

B. 7

C. 6

D. 5

E. 4

Study the following information carefully to answer the given questions

Seven Persons – A, B, C, D, E, F, and G – live on separate floors of a seven storey-ed building, but not in the same order. The ground floor of the building is numbered 1, the floor above it 2 and so on until the topmost floor is numbered 7. Each person likes different fruits – Apple, Banana, Orange, Guava, Pomegranate, Grapes and Pineapple, but not necessarily in the same order. Each person like different colors namely viz – Red, Green, Black, White, Orange, Blue and Yellow.

There are two persons live between the persons who like Yellow and Green. The person who likes Guava lives on floor numbered four. A does not live on the lowermost floor. A lives on any odd numbered floor below the one who likes Guava. Only two persons live between A and the person who likes Pineapple. There are two persons live between the persons who like Red and Black. Only one person lives between B and F. F lives on an even numbered floor and does not like Guava. Only three persons live between the persons who like Apple and Orange respectively. The person who likes Apple live on any floor above the B's floor. There are two persons live between the persons who like Green and Orange. The person who likes Apple does not live on the topmost floor. G does not like White. G lives on an even numbered floor but neither immediately above nor immediately below the floor of A. C does not like Apple or Orange. Only two persons live between D and the one who likes Guava. The person who likes Yellow lives one of the floors above the floor numbered 5. The person who likes Pomegranate lives on the floor immediately above the floor of the person who likes Grapes. The person who likes Green lives one of the floors above the floor numbered 3. The person who likes Red lives immediately above the one who likes Green. There are two persons live between the one who likes Blue and the one who likes White.

46. How many persons live between the floors on which G and F live?

A. Three

B. Two

C. Four

D. Five

E. No one

47. Which of the following statements is/are true according to the given information?

A. E lives on floor numbered 5 and he does not like Green

B. A likes Pomegranate and he does not live on floor numbered 4

C. C likes Yellow and he lives on the topmost floor

D. Only two persons live between the floors of E and F

E. All the statements are true.

48. Who among the following likes Pomegranate?

A. B

B. F

C. G

D. A

E. C

49. Who among the following lives exactly between the floors on which E and A live?

A. F

B. E

C. B

D. C

E. No one

50. Who among the following does like Orange?

A. A

B. D

C. B

D. C

E. No one