

1. Find the Wrong No. in the following sequence: 7, 8, 18, 57, 228, 1165, 6996

- A. 8 B. 18
C. 57 D. 228

2. Find the Wrong No. in the following sequence: 36, 54, 18, 27, 9, 18.5, 4.5

- A. 4.5 B. 18.5
C. 54 D. 18

3. Insert the missing number in the following sequence: 2, 6, 12, 20, 30, 42, 56, (...)

- A. 61 B. 64
C. 72 D. 70

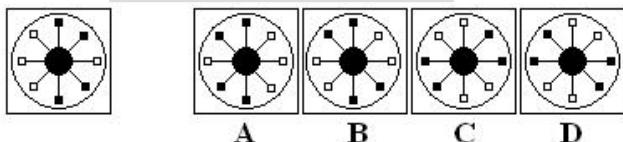
4. Insert the missing number in the following sequence: 3, 7, 6, 5, 9, 3, 12, 1, 15, (...)

- A. 18 B. 13
C. -1 D. 3

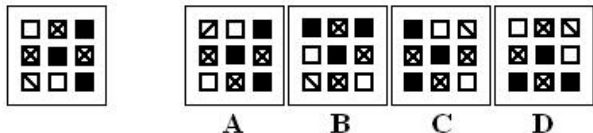
5. Insert the missing number in the following sequence: 8, 24, 12, 36, 18, 54, (...)

- A. 27 B. 108
C. 68 D. 72

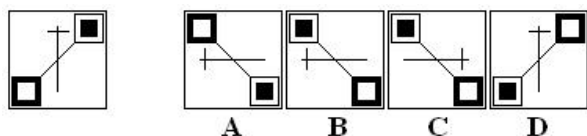
6. Find the identical figure to the first:



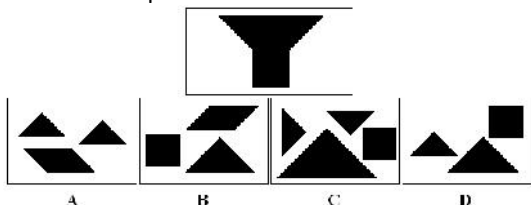
7. Find the identical figure to the first:



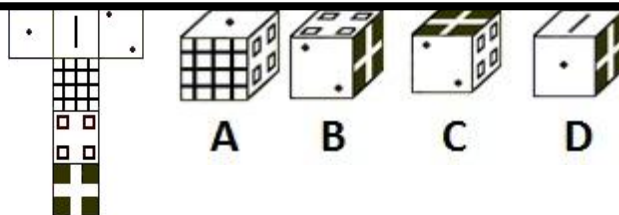
8. Find the Identical Figure



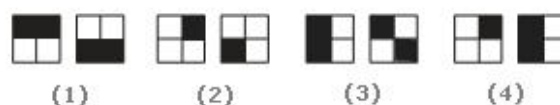
9. Find the group of shapes which can be assembled to make the shape shown:



10. Which of the cubes is the same as the unfolded cube below:



11. Look carefully at the sequence of symbols to find the pattern. Select correct pattern:



12. The words in the bottom row are related in the same way as the words in the top row. For each item, find the word that completes the bottom row of words.

candle lamp floodlight hut cottage ?

- A. tent B. city
C. dwelling D. house

13. The words in the bottom row are related in the same way as the words in the top row. For each item, find the word that completes the bottom row of words.

Snow mountain ski
warmth lake ?

- A. sand B. swim
C. sunburn D. vacation

14. There are three statements. Based on the first two statements, the third statement may be true, false or uncertain.

All the trees in the park are flowering trees.
Some of the trees in the park are dogwoods.
All dogwoods in the park are flowering trees.
If the first two statements are true, the third statement is:

- A. true B. False
C. Uncertain D. Not Possible

15. There are three statements. Based on the first two statements, the third statement may be true, false or uncertain.

- i. The bookstore has a better selection of postcards than the newsstand does.
- ii. The selection of postcards at the drugstore is better than at the bookstore.
- iii. The drugstore has a better selection of postcards than the bookstore or the newsstand.

If the first two statements are true, the third statement is:

- A. true B. false
C. uncertain D. Not Possible

16. Find the number of triangles in the given figure.



- A. 18 B. 20
C. 24 D. 27

17. If A + B means A is the mother of B;

A - B means A is the brother B;

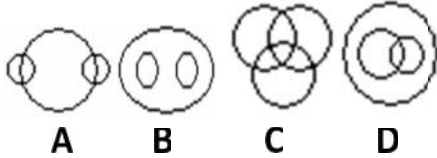
A % B means A is the father of B

A x B means A is the sister of B,

which of the following shows that P is the maternal uncle of Q?

- A. $Q - N + M \times P$ B. $P + S \times N - Q$
C. $P - M + N \times Q$ D. $Q - S \% P$

18. Which of the following diagrams indicates the best relation between Profit, Dividend and Bonus?



19. If South-East becomes North, North-East becomes West and so on. What will West become?

- A. North-East B. North-West
C. South-East D. South-West

20. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M.?

- A. South-East B. South
C. North D. West

21. $(256)^{0.16} \times (256)^{0.09} = ?$

- A. 4 B. 16
C. 64 D. 256.25

22. Six bells commence tolling together and toll at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together?

- A. 4 B. 10
C. 15 D. 16

23. The length of the bridge, which a train 130 metres long and travelling at 45 km/hr can cross in 30 seconds, is?

- A. 200 m B. 225 m
C. 245 m D. 250 m

24. Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is:

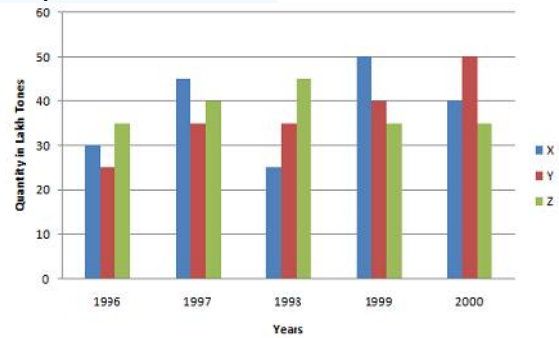
- A. 1 : 3 B. 3 : 2
C. 3 : 4 D. None

25. A takes twice as much time as B or thrice as much time as C to finish a piece of work. Working together, they can finish the work in 2 days. B can do the work alone in:

- A. 4 Days B. 6 Days

- C. 8 Days D. 12 Days

Production of paper (in lakh tonnes) by three companies X, Y and Z over the years. Study the graph and answer the questions that follow.



26. What is the difference between the production of company Z in 1998 and company Y in 1996?

- A. 2,00,000 tons
B. 20,00,000 tons
C. 20,000 tons
D. 2,00,00,000 tons

27. What is the ratio of the average production of company X in the period 1998-2000 to the average production of company Y in the same period?

- A. 1:1
B. 15:17
C. 23:25
D. 27:29

28. What is the percentage increase in the production of company Y from 1996 to 1999?

- A. 30%
B. 45%
C. 50%
D. 60%

29. The average production for five years was maximum for which company?

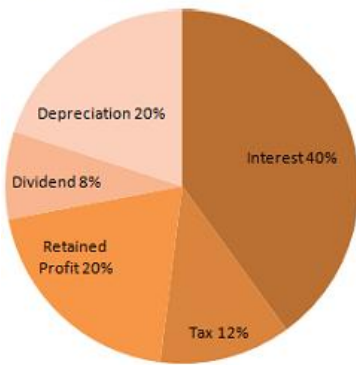
- A. X
B. Y
C. Z
D. X and z both

30. In which year was the percentage of production of company Z to the production of company Y the maximum?

- A. 1996
B. 1997
C. 1998
D. 1999

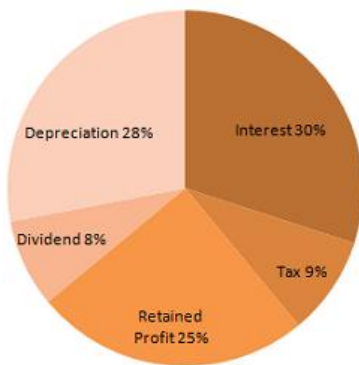
Answer these questions based on the following pie charts :

Operating profit Rs. 160 lakh



1991-92

Operating profit Rs. 130 lakh



1990-91

31. The operating profit in 1991-92 increased over than in 1990-91?

- A. 23%
- B. 22%
- C. 25%
- D. 24%

32. The interest burden in 1991-92 was higher than that in 1990-91 by :

- A. 50%
- B. Rs. 25 lakh
- C. 90%
- D. Rs. 41 lakh

33. If on an average, 20% rate of interest was charged on borrowed funds, then the total borrowed funds used by this company in the given two years amounted to :

- A. Rs. 221 lakh
- B. Rs. 195 lakh
- C. Rs. 368 lakh
- D. Rs. 515 lakh

34. The retained profit in 1991-92, as compared to that in 1990-91 was :

- A. higher by 2.5%
- B. higher by 1.5%
- C. lower by 2.5%
- D. lower by 1.5%

35. The equity base of these companies remained unchanged. Then, the total dividend earning by the share holders in 1991-92 is :

- A. Rs. 104 lakh

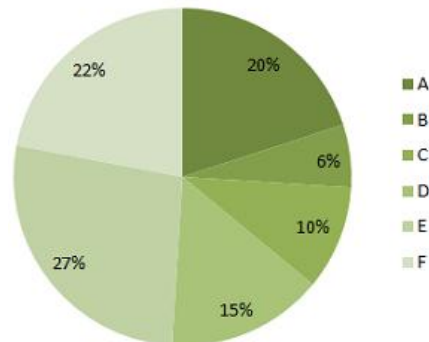
- B. Rs. 9 lakh
- C. Rs. 12.8 lakh
- D. Rs. 15.6 lakh

Study the following graphs carefully and answer the questions given below:

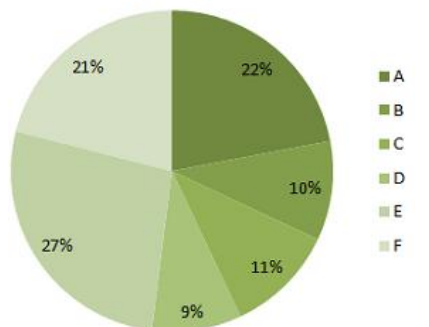
Percentage of different types of employees in a company in two successive years.

Total number of employees in 1997 and 1998 is 42,980 and 48,640 respectively.

1997



1998



36. The number of A type employees in 1998 was approximately what percentage of A type employees in 1997?

- A. 115
- B. 140
- C. 125
- D. 130

37. If there were 5,000 D type employees in 1998, what would have been its approximate percentage in the company?

- A. 8
- B. 12
- C. 14
- D. 10

38. In the case of which of the following type of employees was there maximum change in the number from 1997 to 1998?

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

39. Approximately, what was the difference in the number of B type employees between 1997 and 1998?

- A. 2285

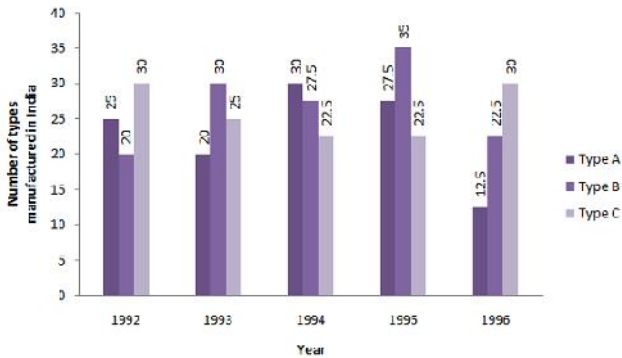
- B. 2325
- C. 2085
- D. 2620

40. The total number of which of the following pairs of types of employees in 1997 was approximately equal to A type employees in 1998?

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

Study the following graph carefully and answer the questions given below:

Production of three types of tyres by a company over the year (in lakh)



41. What was the percentage drop in the number of B type tyres manufacturing from 1993 to 1994?

- A. 25
- B. 10
- C. 15
- D. 20

42. What was the difference between the number of C type tyres manufactured in 1994 and 1995?

- A. 20,00,000
- B. 10,00,000
- C. 15,00,000
- D. None of these

43. The total number of all the three types of tyres manufactured was the least in which of the following years?

- A. 1995
- B. 1996
- C. 1992
- D. 1994

44. In which of the following years was the percentage production of B type to C type tyres the maximum?

- A. 1994
- B. 1992
- C. 1996
- D. 1995

45. The total production of C type tyres in 1992 and 1993 together was what percentage of production of B type tyres in 1994?

- A. 50
- B. 100
- C. 150

D. None of these

Study the following table to answer the 5 questions that are given below it.

Item of Expenditure/Year	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.38	36.4	88
2002	420	142	3.96	49.4	98

46. The ratio between the total expenditure on taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively is approximately:

- A. 4:7
- B. 10:13
- C. 15:18
- D. 5:8

47. The total expenditure of the Company over these items during the year 2000 is

- A. Rs. 544.44 Lakhs
- B. Rs. 501.11 Lakhs
- C. Rs. 446.46 Lakhs
- D. Rs. 478.87 Lakhs

48. What is the average amount of interest per year which the Company had to pay during this period?

- A. Rs. 32.43 lakhs
- B. Rs. 33.72 lakhs
- C. Rs. 34.18 lakhs
- D. Rs. 36.66 lakhs

49. Total expenditure on all these items in 1998 was approximately what percent of the total expenditure in 2002?

- A. 62%
- B. 66%
- C. 69%
- D. 71%

50. The total amount of bonus paid by the Company during the given period is approximately what percent of the total amount of salary paid during this period?

- A. 0.1%
- B. 0.5%
- C. 1%
- D. 1.25%

END