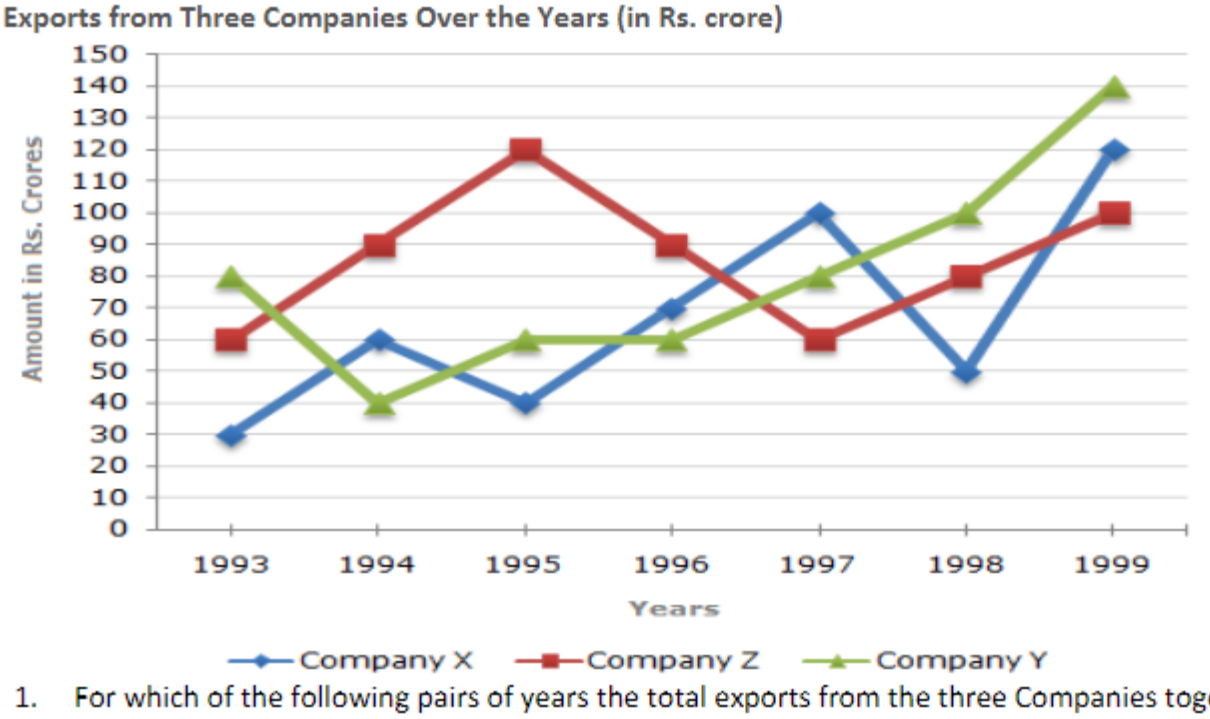
PERCENTILE CLASSES

LINE CHARTS

Study the following line graph and answer the questions.



1. For which of the following pairs of years the total exports from the three Companies together are equal?

   A. 1995 and 1998
   B. 1996 and 1998
   C. 1997 and 1998
   D. 1995 and 1996

2. Average annual exports during the given period for Company Y is approximately what percent of the average annual exports for Company Z?

   A. 87.12%
   B. 89.64%
   C. 91.21%
   D. 93.33%

3. In which year was the difference between the exports from Companies X and Y the minimum?

   A. 1994
   B. 1995
   C. 1996
   D. 1997

4. What was the difference between the average exports of the three Companies in 1993 and the average exports in 1998?

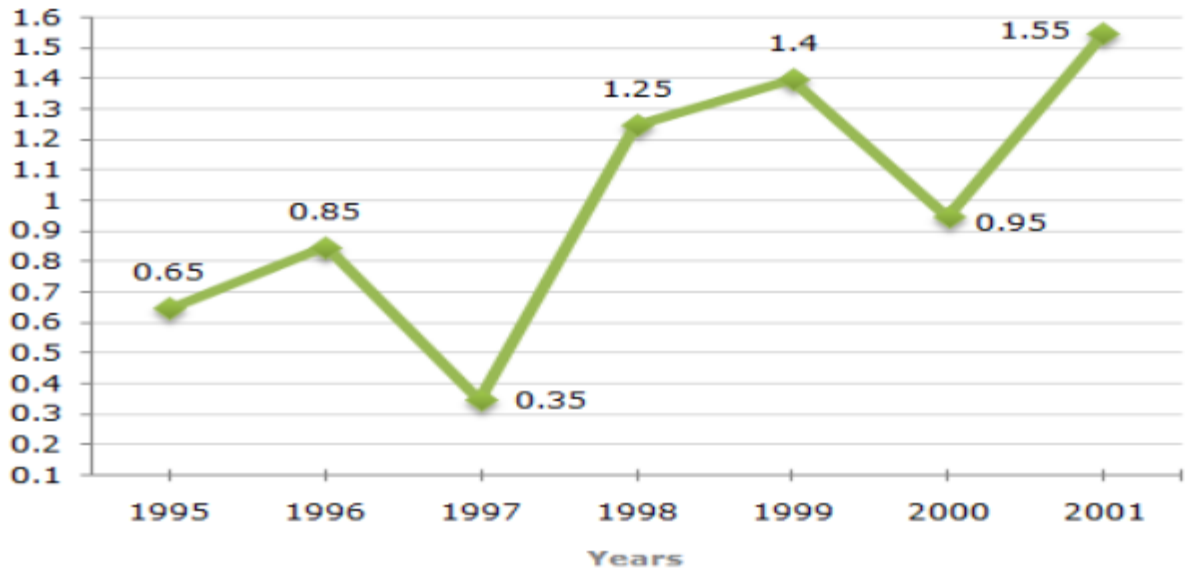
   A. Rs. 15.33 crores
   B. Rs. 18.67 crores
   C. Rs. 20 crores
   D. Rs. 22.17 crores

5. In how many of the given years, were the exports from Company Z more than the average annual exports over the given years?

   A. 2
   B. 3
   C. 4
   D. 5

The following line graph gives the ratio of the amounts of imports by a company to the amount of exports from that company over the period from 1995 to 2001.

Ratio of Value of Imports to Exports by a Company Over the Years.



6. If the imports in 1998 was Rs. 250 crores and the total exports in the years 1998 and 1999 together was Rs. 500 crores, then the imports in 1999 was ?

   A. Rs. 250 crores
   B. Rs. 300 crores
   C. Rs. 357 crores
   D. Rs. 420 crores

7. The imports were minimum proportionate to the exports of the company in the year ?

   A. 1995
   B. 1996
   C. 1997
   D. 2000

8. What was the percentage increase in imports from 1997 to 1998 ?

   A. 72
   B. 56
   C. 28
   D. Data inadequate

9. If the imports of the company in 1996 was Rs. 272 crores, the exports from the company in 1996 was ?

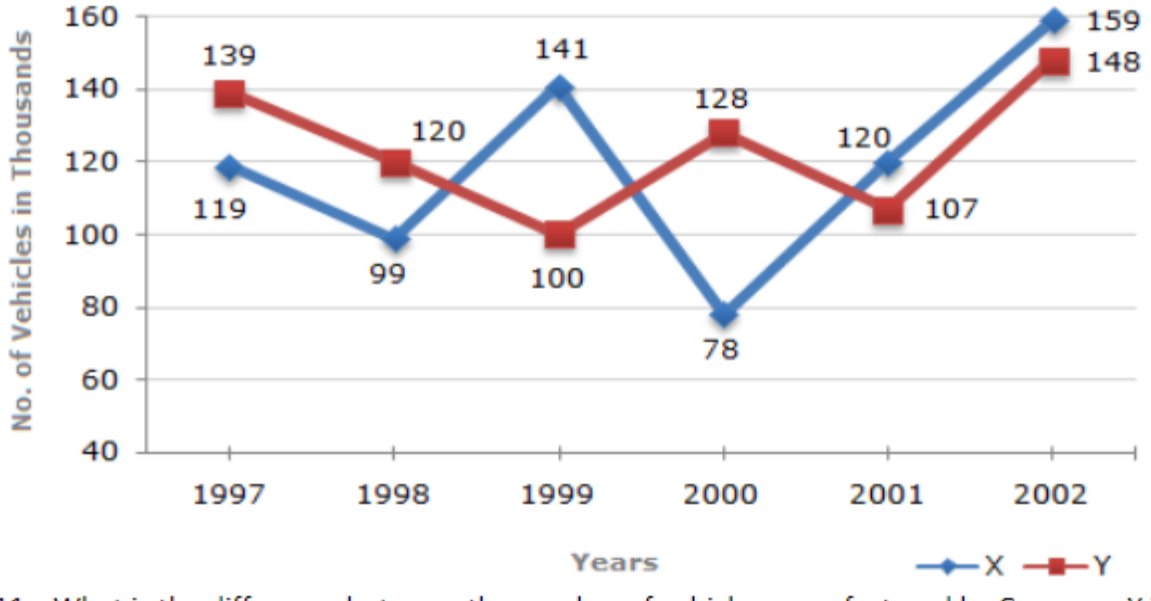
   A. Rs. 370 crores
   B. Rs. 320 crores
   C. Rs. 280 crores
   D. Rs. 275 crores

10. In how many of the given years were the exports more than the imports ?

    A. 1
    B. 2
    C. 3
    D. 4

Study the following line graph and answer the questions based on it.

Number of Vehicles Manufactured by Two companies over the Years (Number in Thousands)



11. What is the difference between the number of vehicles manufactured by Company Y in 2000 and 2001 ?

A. 50000 B. 42000

C. 33000 D. 21000

12. What is the difference between the total productions of the two Companies in the given years ?

A. 19000 B. 22000

C. 26000 D. 28000

13. What is the average numbers of vehicles manufactured by Company X over the given period ? (rounded off to nearest integer)

A. 119333 B. 113666

C. 112778 D. 111223

14. In which of the following years, the difference between the productions of Companies X and Y was the maximum among the given years ?

A. 1997 B. 1998

C. 1999 D. 2000

15. The production of Company Y in 2000 was approximately what percent of the production of Company X in the same year ?

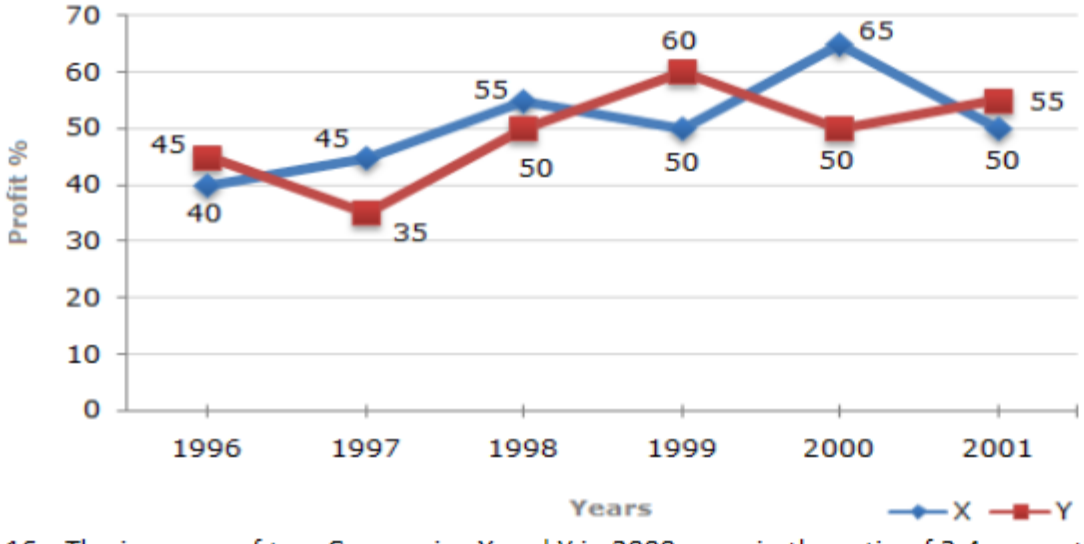
A. 173 B. 164

C. 132 D. 97

The following line graph gives the percent profit earned by two Companies X and Y during the period 1996 - 2001.

Percentage profit earned by Two Companies X and Y over the Given Years

$$\%\text{Profit} = \frac{\text{Income - Expenditure}}{\text{Expenditure}} \times 100$$



16. The incomes of two Companies X and Y in 2000 were in the ratio of 3:4 respectively. What was the respective ratio of their expenditures in 2000 ?

A. 7:22 B. 14:19

C. 15:22 D. 27:35

17. If the expenditure of Company Y in 1997 was Rs. 220 crores, what was its income in 1997 ?

A. Rs. 312 crores B. Rs. 297 crores

C. Rs. 283 crores D. Rs. 275 crores

18. If the expenditures of Company X and Y in 1996 were equal and the total income of the two Companies in 1996 was Rs. 342 crores, what was the total profit of the two Companies together in 1996 ? (Profit = Income - Expenditure)

A. Rs. 240 crores B. Rs. 171 crores

C. Rs. 120 crores D. Rs. 102 crores

19. The expenditure of Company X in the year 1998 was Rs. 200 crores and the income of company X in 1998 was the same as its expenditure in 2001. The income of Company X in 2001 was ?

A. Rs. 465 crores B. Rs. 385 crores

C. Rs. 335 crores D. Rs. 295 crores

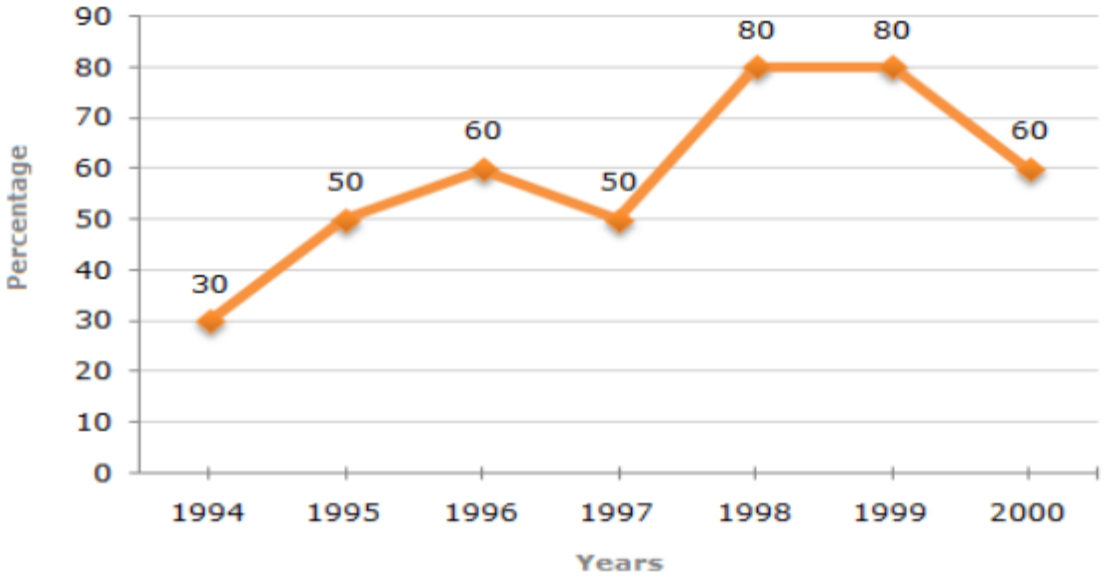
20. If the incomes of two Comapanies were equal in 1999, then what was the ratio of expenditure of Company X to that of Company Y in 1999 ?

A. 6:5 B. 5:6

C. 11:6 D. 16:15

The following line graph gives the percentage of the number of candidates who qualified an examination out of the total number of candidates who appeared for the examination over a period of seven years from 1994 to 2000.

Percentage of Candidates Qualified to Appeared in an Examination Over the Years



21. The difference between the percentage of candidates qualified to appeared was maximum in which of the following pairs of years?

A. 1994 and 1995 B. 1997 and 1998

C. 1998 and 1999 D. 1999 and 2000

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22. In which pair of years was the number of candidates qualified, the same?

A. 1995 and 1997 B. 1995 and 2000

C. 1998 and 1999 D. Data inadequate

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23. If the number of candidates qualified in 1998 was 21200, what was the number of candidates appeared in 1998?

A. 32000 B. 28500

C. 26500 D. 25000

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24. If the total number of candidates appeared in 1996 and 1997 together was 47400, then the total number of candidates qualified in these two years together was?

A. 34700 B. 32100

C. 31500 D. Data inadequate

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25. The total number of candidates qualified in 1999 and 2000 together was 33500 and the number of candidates appeared in 1999 was 26500. What was the number of candidates in 2000?

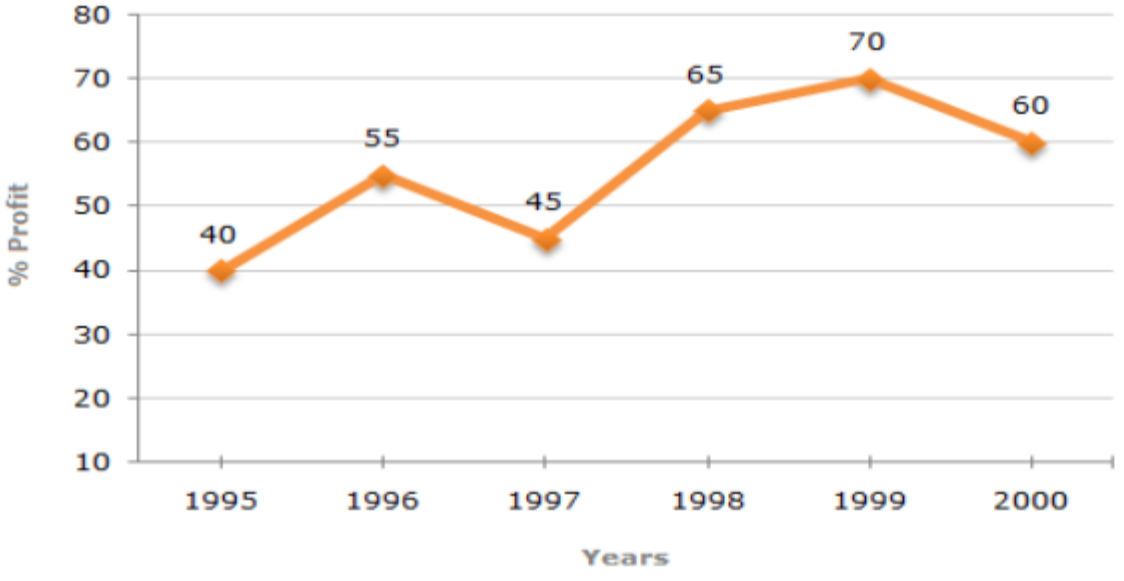
A. 24500 B. 22000

C. 20500 D. 19000

The following line graph gives the annual percent profit earned by a Company during the period 1995 - 2000.

Percent Profit Earned by a Company Over the Years.

$$\%\text{Profit} = \frac{\text{Income - Expenditure}}{\text{Expenditure}} \times 100$$



26. If the expenditures in 1996 and 1999 are equal, then the approximate ratio of the income in 1996 and 1999 respectively is?

A. 1:1
B. 2:3
C. 13:14
D. 9:10

27. If the income in 1998 was Rs. 264 crores, what was the expenditure in 1998?

A. Rs. 104 crores
B. Rs. 145 crores
C. Rs. 160 crores
D. Rs. 185 crores

28. In which year is the expenditure minimum?

A. 2000
B. 1997
C. 1996
D. Cannot be determined

29. If the profit in 1999 was Rs. 4 crores, what was the profit in 2000?

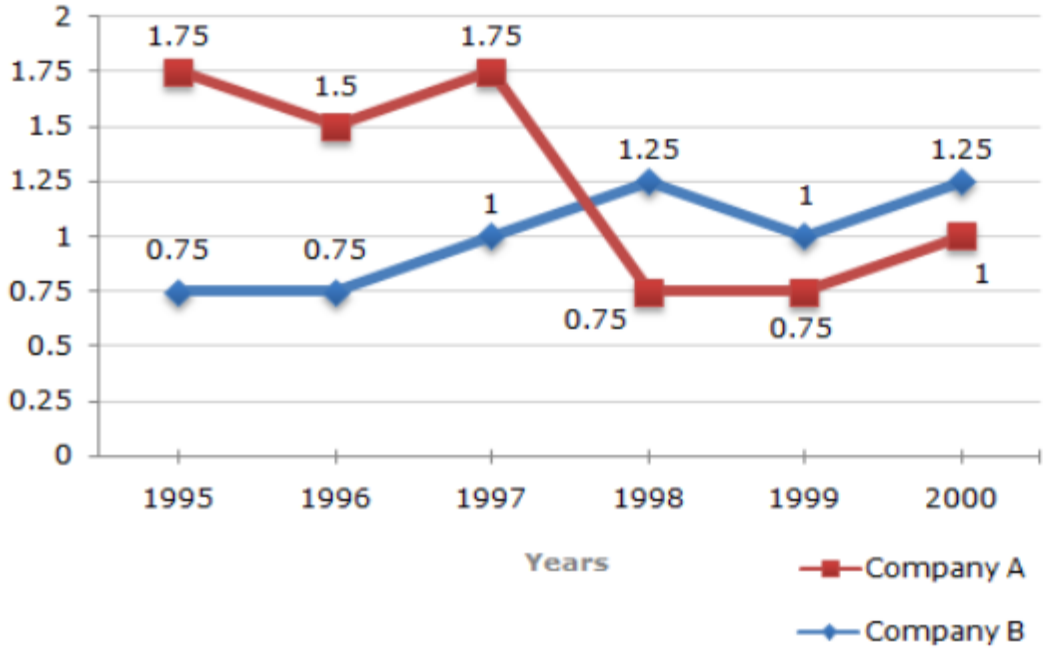
A. Rs. 4.2 crores
B. Rs. 6.6 crores
C. Rs. 6.8 crores
D. Cannot be determined

30. What is the average profit earned for the given years?

A. 50(2/3)
B. 55(5/6)
C. 60(1/6)
D. 335

Answer the questions based on the given line graph.

Ratio of Exports to Imports (in terms of money in Rs. crores) of Two Companies Over the Years



31. In how many of the given years were the exports more than the imports for Company A?

A. 2 B. 3

C. 4 D. 5

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32. If the imports of Company A in 1997 were increased by 40 percent, what would be the ratio of exports to the increased imports?

A. 1.20 B. 1.25

C. 1.30 D. cannot be determined

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33. If the exports of Company A in 1998 were Rs. 237 crores, what was the amount of imports in that year?

A. Rs. 189.6 crores B. Rs. 243 crores

C. Rs. 281 crores D. Rs. 316 crores

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34. In 1995, the export of Company A was double that of Company B. If the imports of Company A during the year was Rs. 180 crores, what was the approximate amount of imports pf Company B during that year?

A. Rs. 190 crores B. Rs. 210 crores

C. Rs. 225 crores D. Cannot be determined

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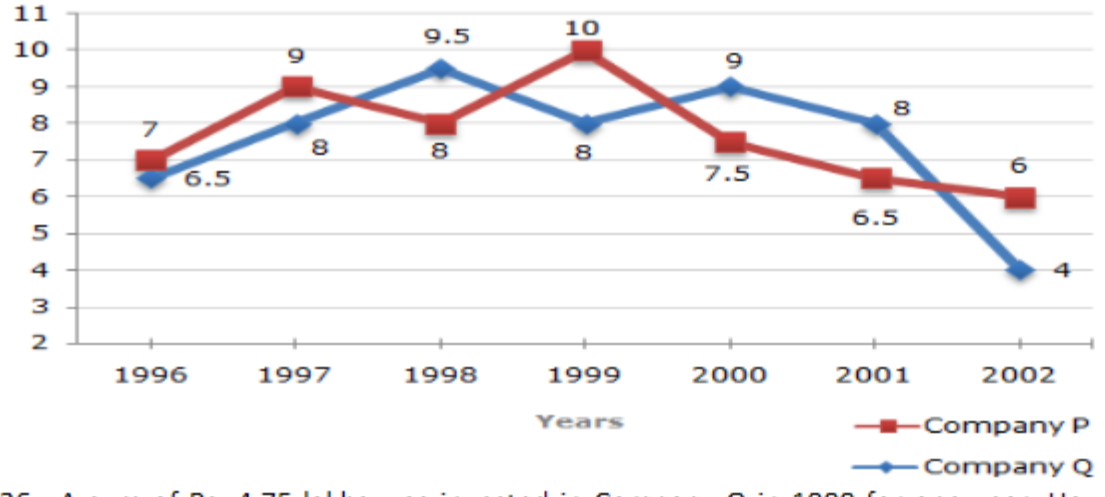
35. In which year(s) was the difference between impors and exports of Company B the maximum?

A. 2000 B. 1996

C. 1998 and 2000 D. Cannot be determined

Two different finance companies declare fixed annual rate of interest on the amounts invested with them by investors. The rate of interest offered by these companies may differ from year to year depending on the variation in the economy of the country and the banks rate of interest. The annual rate of interest offered by the two Companies P and Q over the years are shown by the line graph provided below.

Annual Rate of Interest Offered by Two Finance Companies Over the Years.



36. A sum of Rs. 4.75 lakhs was invested in Company Q in 1999 for one year. How much more interest would have been earned if the sum was invested in Company P?

A. Rs. 19,000
B. Rs. 14,250
C. Rs. 11,750
D. Rs. 9500

37. If two different amounts in the ratio 8:9 are invested in Companies P and Q respectively in 2002, then the amounts received after one year as interests from Companies P and Q are respectively in the ratio?

A. 2:3
B. 3:4
C. 6:7
D. 4:3

38. In 2000, a part of Rs. 30 lakhs was invested in Company P and the rest was invested in Company Q for one year. The total interest received was Rs. 2.43 lakhs. What was the amount invested in Company P?

A. Rs. 9 lakhs
B. Rs. 11 lakhs
C. Rs. 12 lakhs
D. Rs. 18 lakhs

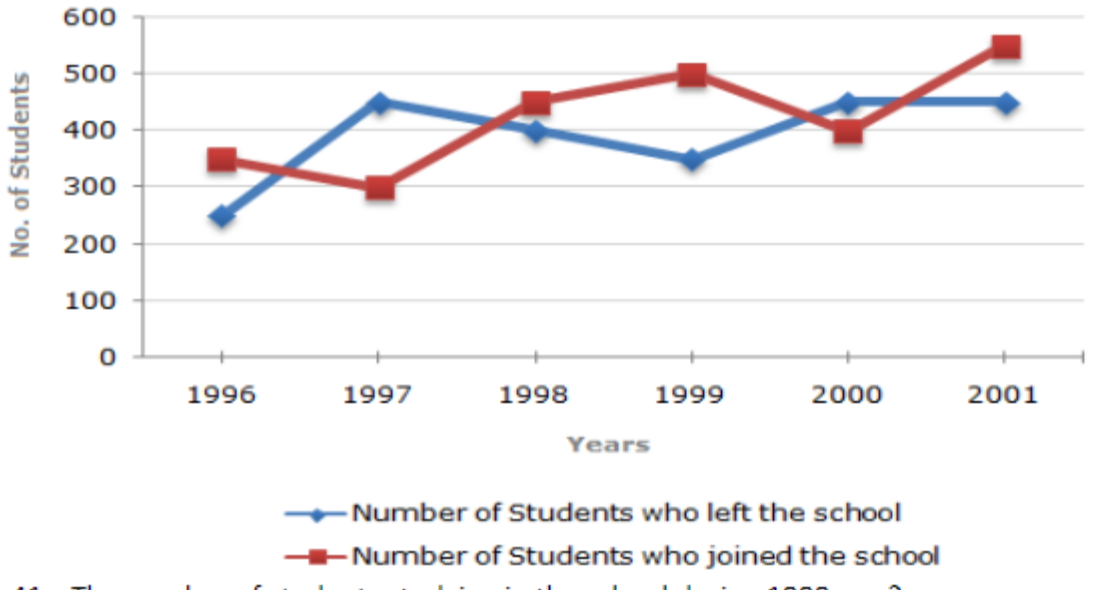
39. An investor invested a sum of Rs. 12 lakhs in Company P in 1998. The total amount received after one year was re-invested in the same Company for one more year. The total appreciation received by the investor on his investment was?

A. Rs. 2,96,200
B. Rs. 2,42,200
C. Rs. 2,25,600
D. Rs. 2,16,000

40. An investor invested Rs. 5 lakhs in Company Q in 1996. After one year, the entire amount along with the interest was transferred as investment to Company P in 1997 for one year. What amount will be received from Company P, by the investor?

A. Rs. 5,94,550
B. Rs. 5,80,425
C. Rs. 5,77,800
D. Rs. 5,77,500

Study the following line graph which gives the number of students who joined and left the school in the beginning of year for six years, from 1996 to 2001.
Initial Strength of school in 1995 = 3000.



41. The number of students studying in the school during 1999 was?

A. 2950 B. 3000

C. 3100 D. 3150

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42. For which year, the percentage rise/fall in the number of students who left the school compared to the previous year is maximum?

A. 1997 B. 1998

C. 1999 D. 2000

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43. The strength of school incresed/decreased from 1997 to 1998 by approximately what percent?

A. 1.2% B. 1.7%

C. 2.1% D. 2.4%

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44. The number of students studying in the school in 1998 was what percent of the number of students studying in the school in 2001?

A. 92.13% B. 93.75%

C. 96.88% D. 97.25%

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45. The ratio of the least number of students who joined the school to the maximum number of students who left the school in any of the years during the given period is?

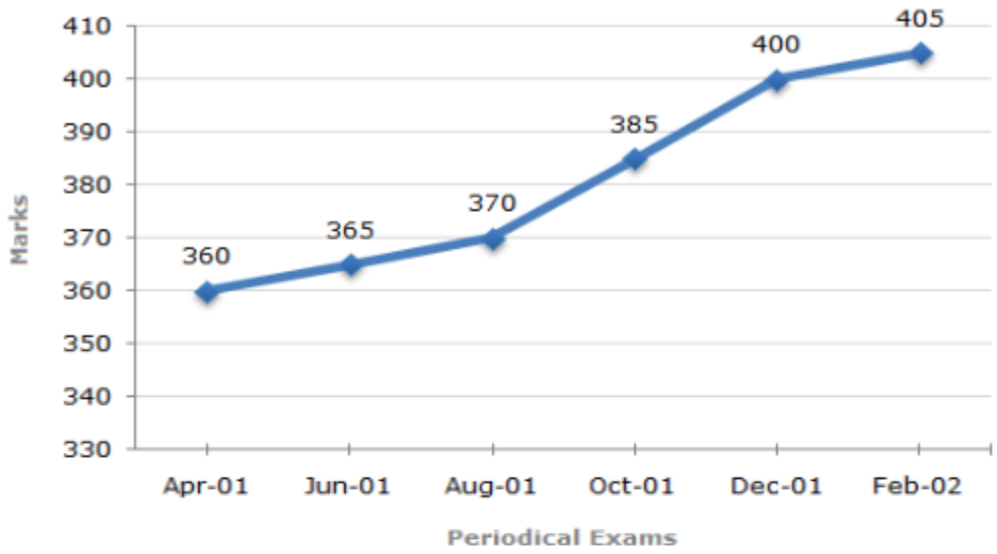
A. 7:9 B. 4:5

C. 3:4 D. 2:3

In a school the periodical examination are held every second month. In a session during April 2001 - March 2002, a student of Class IX appeared for each of the periodical exams. The aggregate marks obtained by him in each perodical exam are represented in the line-graph given below.

Marks Obtained by student in Six Periodical Held in Every Two Months During the Year in the Session 2001 - 2002.

Maximum Total Marks in each Periodical Exam = 500



46. In which periodical exams did the student obtain the highest percentage increase in marks over the previous periodical exams ?

A. June, 01
B. August, 01
C. Oct, 01
D. Dec, 01

47. The total number of marks obtained in Feb. 02 is what percent of the total marks obtained in April 01 ?

A. 110%
B. 112.5%
C. 115%
D. 116.5%

48. What is the percentage of marks obtained by the student in the periodical exams of August, 01 and Oct, 01 taken together ?

A. 73.25%
B. 75.5%
C. 77%
D. 78.75%

49. What are the average marks obtained by the student in all the periodical exams during the last session ?

A. 373
B. 379
C. 381
D. 385

50. In which periodical exams there is a fall in percentage of marks as compared to the previous periodical exams ?

A. None
B. June, 01
C. Oct, 01
D. Feb, 02

Answer 01: Option **D** **Answer 02:** Option **D** **Answer 03:** Option **C** **Answer 04:** Option **C** **Answer 05:** Option **C**
Answer 06: Option D *Answer 07: Option C* *Answer 08: Option D* *Answer 09: Option B* *Answer 10: Option D*
Answer 11: Option D ***Answer 12:*** *Option C* ***Answer 13:*** *Option A* *Answer 14: Option B* *Answer 15: Option D*
Answer 16: *Option C* *Answer 17: Option B* *Answer 18: Option D* *Answer 19: Option A* ***Answer 20:*** *Option D*
Answer 21: Option **B** **Answer 22:** Option **D** **Answer 23:** Option **C** **Answer 24:** Option **D** **Answer 25:** Option **C**
Answer 26: Option D ***Answer 27:*** *Option C* ***Answer 28:*** *Option D* *Answer 29: Option D* *Answer 30: Option B*
Answer 31: Option **B** **Answer 32:** Option **B** **Answer 33:** Option **D** **Answer 34:** Option **B** **Answer 35:** Option **D**
Answer 36: Option D *Answer 37: Option D* *Answer 38: Option D* *Answer 39: Option C* *Answer 40: Option B*
Answer 41: Option D ***Answer 42:*** *Option A* ***Answer 43:*** *Option B* *Answer 44: Option B* *Answer 45: Option D*
Answer 46: *Option C* *Answer 47: Option B* *Answer 48: Option B* *Answer 49: Option C* ***Answer 50:*** *Option A*