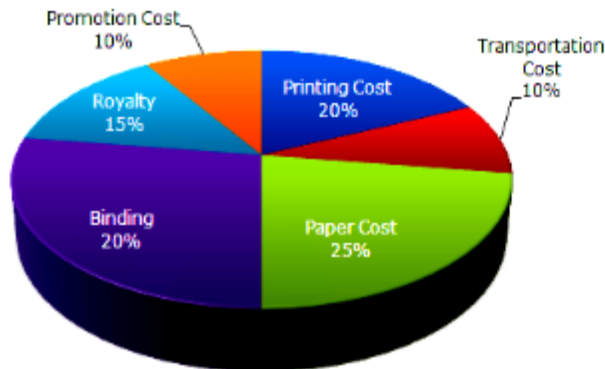


PERCENTILE CLASSES

PIE CHARTS

The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it.

Various Expenditures (in percentage) Incurred in Publishing a Book



- If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be amount of royalty to be paid for these books?
A. Rs. 19,450
B. Rs. 21,200
C. Rs. 22,950
D. Rs. 26,150
- What is the central angle of the sector corresponding to the expenditure incurred on Royalty?
A. 15°
B. 24°
C. 54°
D. 48°
- The price of the book is marked 20% above the C.P. If the marked price of the book is Rs. 180, then what is the cost of the paper used in a single copy of the book?
A. Rs. 36
B. Rs. 37.50
C. Rs. 42
D. Rs. 44.25
- If 5500 copies are published and the transportation cost on them amounts to Rs. 82500, then what should be the selling price of the book so that the publisher can earn a profit of 25%?
A. Rs. 187.50
B. Rs. 191.50
C. Rs. 175
D. Rs. 180
- Royalty on the book is less than the printing cost by:
A. 5%
B. $33\frac{1}{5}\%$
C. 20%
D. 25%

The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it.

Various Expenditures (in percentage) Incurred in Publishing a Book

- If the difference between the two expenditures are represented by 18° in the pie-chart, then these expenditures possibly are

- A. Binding Cost and Promotion Cost
- B. Paper Cost and Royalty
- C. Binding Cost and Printing Cost
- D. Paper Cost and Printing Cost

7. For an edition of 12,500 copies, the amount of Royalty paid by the publisher is Rs. 2,81,250. What should be the selling price of the book if the publisher desires a profit of 5%?

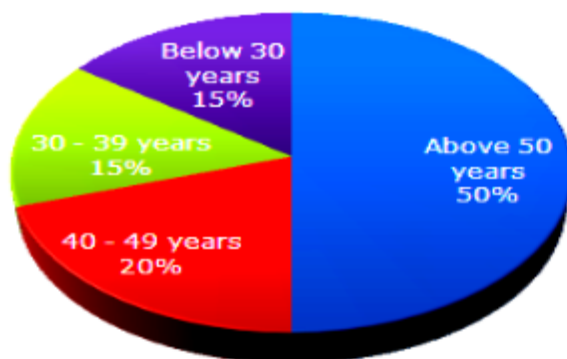
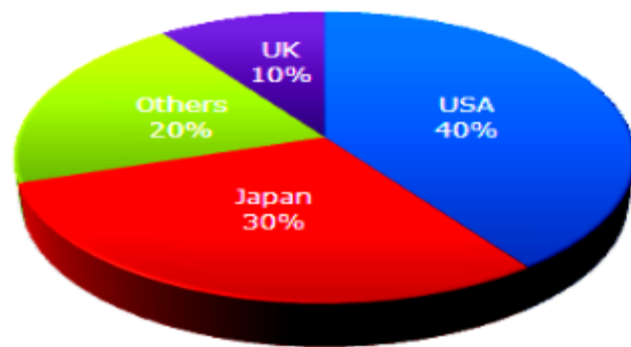
- A. Rs. 152.50
- B. Rs. 157.50
- C. Rs. 162.50
- D. Rs. 167.50

8. If for an edition of the book, the cost of paper is Rs. 56250, then find the promotion cost for this edition.

- A. Rs. 20,000
- B. Rs. 22,500
- C. Rs. 25,500
- D. Rs. 28,125

9. Which two expenditures together have central angle of 108° ?

- A. Biding Cost and Transportation Cost
- B. Printing Cost and Paper Cost
- C. Royalty and Promotion Cost
- D. Binding Cost and Paper Cost



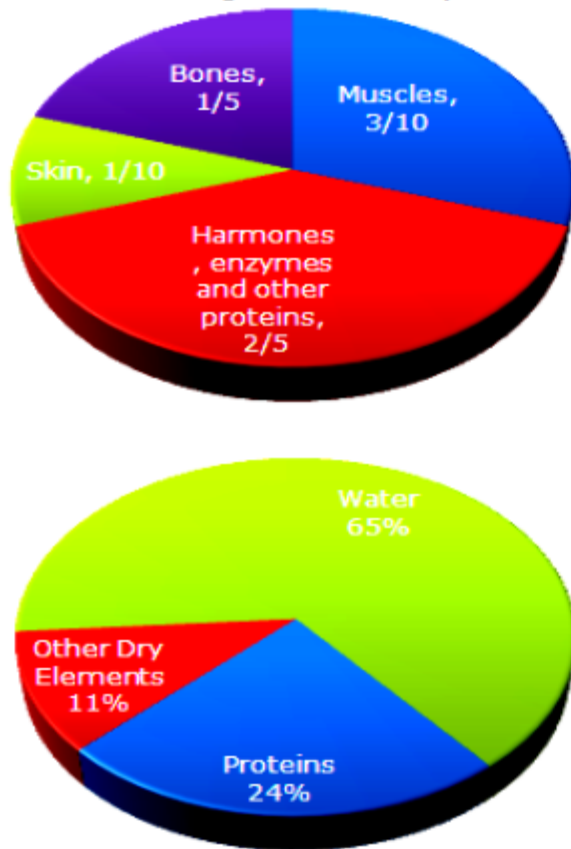
The following pie charts exhibit the distribution of the overseas tourist traffic from India. The two charts shows the tourist distribution by country and the age profiles of the tourists respectively.

Distribution of Overseas Tourist Traffic from India.

10. What percentage of Indian tourist went to either USA or UK ?
- A. 40 % B. 50 %
C. 60 % D. 70 %
-
11. The ratio of the number of Indian tourists that went to USA to the number of Indian tourists who were below 30 years of age is ?
- A. 2:1 B. 8:3
C. 3:8 D. Cannot be determined
-
12. If amongst other countries, Switzerland accounted for 25% of the Indian tourist traffic, and it is known from official Swiss records that a total of 25 lakh Indian tourists had gone to Switzerland during the year, then find the number of 30-39 year old Indian tourists who went abroad in that year ?
- A. 18.75 lakh B. 25 lakh
C. 50 lakh D. 75 lakh

The following pie chart give the information about the distribution of weight in the human body according to different kinds of components. Study the pie charts and answer the question.

Distribution of Weight in Human Body



13. What percentage of proteins of the human body is equivalent to the weight of its skin ?
- A. 41.66 % B. 43.33 %
- C. 44.44 % D. Cannot be determined
-
14. How much of the human body is neither made of bones or skin ?
- A. 40 % B. 50 %

C. 60 %

D. 70 %

15. What is the ratio of the distribution of proteins in the muscles to that of the distribution of proteins in the bones?

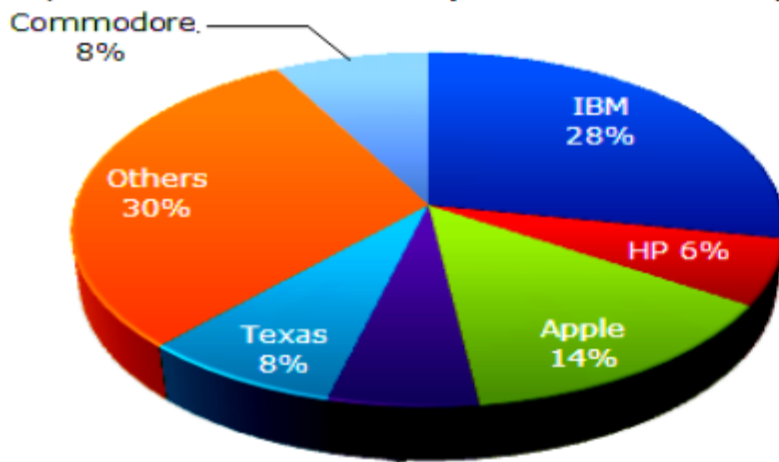
A. 2:1

B. 2:3

C. 3:2

D. Cannot be determined

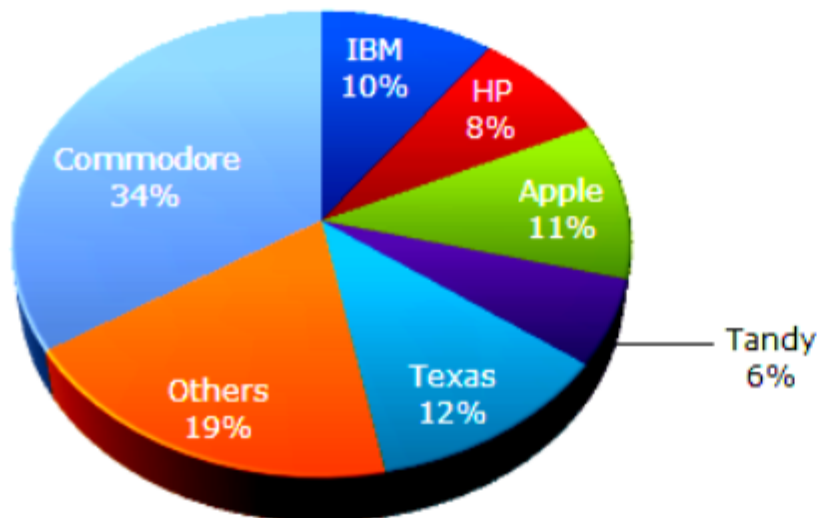
The pie chart shows the distribution of New York market share by value of different computer companies in 2005.



The pie chart shows the distribution of New York market share by volume of different computer companies in 2005.

Number of units sold in 2005 in New York = 1,500

Value of units sold in 2005 in New York = US \$1,650,000.



16. For the year 2005, which company has realised the lowest average unit sales price for a PC ?

A. Commodore

B. IBM

C. Tandy

D. Cannot be determined

17. Over the period 2005-2006, if sales (value-wise) of IBM PC's increased by 50% and of Apple by 15% assuming that PC sales of all other computer companies remained the same, by what percentage (approximately) would the PC sales in New York (value-wise) increase over the same period ?

A. 16.1 %

B. 18 %

C. 14 %

D. None of these

18. In 2005, the average unit sale price of an IBM PC was approximately (in US\$)

A. 3180

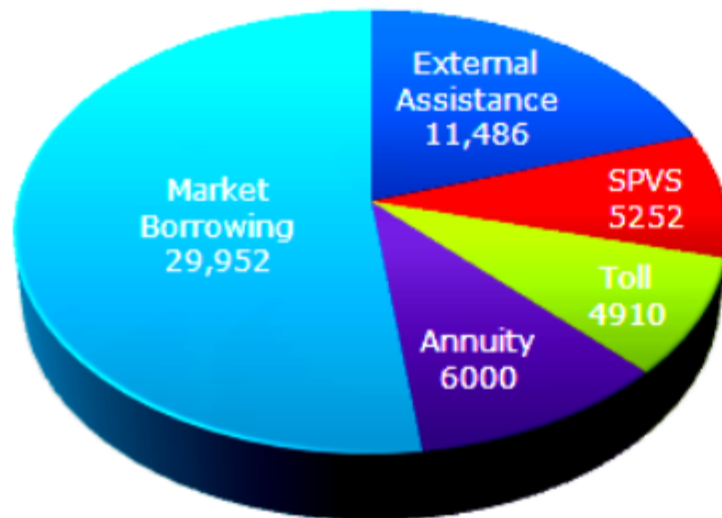
B. 2800

C. 393

D. 3080

The following pie-chart shows the sources of funds to be collected by the National Highways Authority of India (NHAI) for its Phase II projects. Study the pie-chart and answers the question that follow.

Sources of funds to be arranged by NHAI for Phase II projects (in crores Rs.)



19. Near about 20% of the funds are to be arranged through:

A. SPVS

B. External Assistance

C. Annuity

D. Market Borrowing

20. If NHAI could receive a total of Rs. 9695 crores as External Assistance, by what percent (approximately) should it increase the Market Borrowing to arrange for the shortage of funds?

A. 4.5%

B. 7.5%

C. 6%

D. 8%

21. If the toll is to be collected through an outsourced agency by allowing a maximum 10% commission, how much amount should be permitted to be collected by the outsourced agency, so that the project is supported with Rs. 4910 crores?

A. Rs. 6213 crores

B. Rs. 5827 crores

C. Rs. 5401 crores

D. Rs. 5316 crores

22. The central angle corresponding to Market Borrowing is

A. 52°

B. 137.8°

C. 187.2°

D. 192.4°

23. The approximate ratio of the funds to be arranged through Toll and that through Market Borrowing is

A. 2 : 9

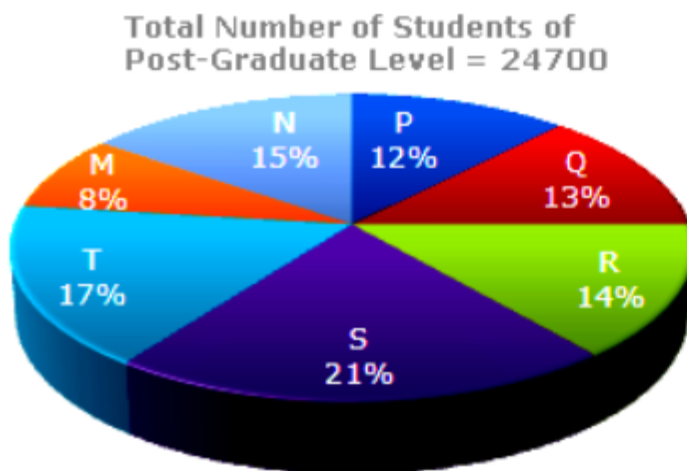
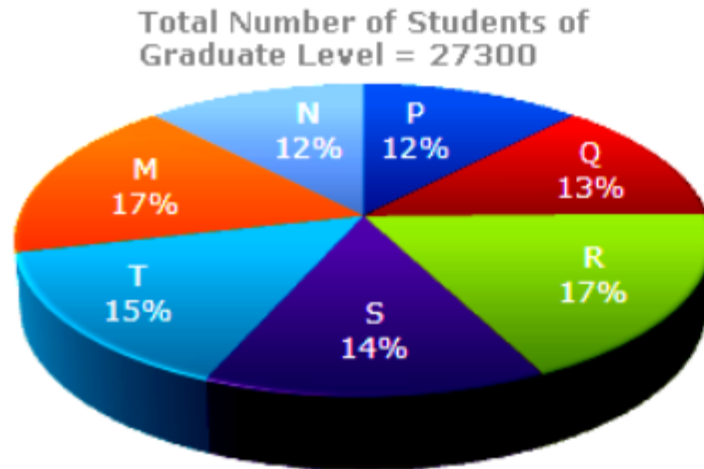
B. 1 : 6

C. 3 : 11

D. 2:5

The following pie-charts show the distribution of students of graduate and post-graduate levels in seven different institutes in a town.

Distribution of students at graduate and post-graduate levels in seven institutes:



24. What is the total number of graduate and post-graduate level students in institute R?
- A. 8320
B. 7916
C. 9116
D. 8099
-
25. What is the ratio between the number of students studying at post-graduate and graduate levels respectively from institute S?
- A. 14 : 19
B. 19 : 21
C. 17 : 21
D. 19 : 14
-
26. How many students of institutes M and S are studying at graduate level?
- A. 7516
B. 8463
C. 9127
D. 9404
-
27. What is the ratio between the number of students studying at post-graduate level from institutes S and the number of students studying at graduate level from institute Q?

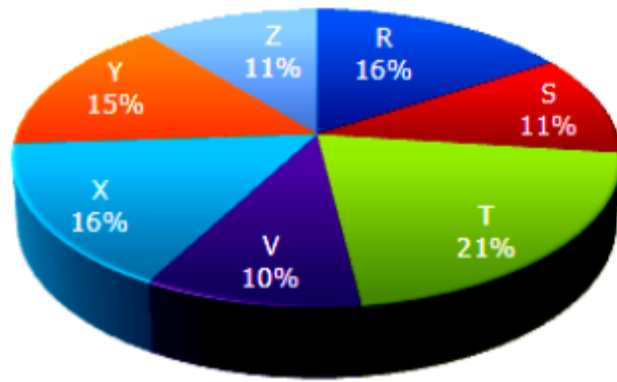
- A. 13 : 19
B. 21 : 13
C. 13 : 8
D. 19 : 13

28. Total number of students studying at post-graduate level from institutes N and P is

- A. 5601
B. 5944
C. 6669
D. 8372

Study the following pie-chart and the table and answer the questions based on them.

Proportion of Population of Seven Villages in 1997



Village	% Population Below Poverty Line
X	38
Y	52
Z	42
R	51
S	49
T	46
V	58

29. If the population of village R in 1997 is 32000, then what will be the population of village Y below poverty line in that year?

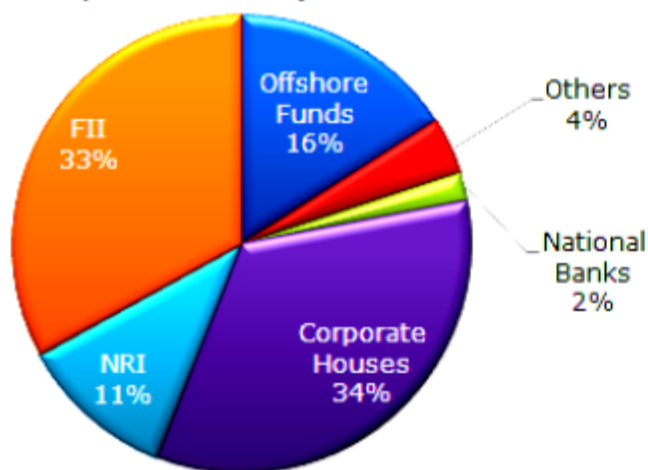
- A. 14100
B. 15600
C. 16500
D. 17000

30. The ratio of population of village T below poverty line to that of village Z below poverty line in 1997 is:

- A. 11 : 23
B. 13 : 11
C. 23 : 11
D. 11 : 13

The following pie chart shows the amount of subscriptions generated for India Bonds from different categories of investors.

Subscriptions Generated for India Bonds



31. In the corporate sector, approximately how many degrees should be there in the central angle ?

- A. 120
B. 121
C. 122
D. 123

32. If the investment by NRI's are Rs 4,000 crore, then the investments by corporate houses and FII's together is:

- A. 24,000 crore
B. 24,363 crore
C. 25,423 crore
D. 25,643 crore

33. What percentage of the total investment is coming from FII's and NRI's ?

- A. 33 %
B. 11 %
C. 44 %
D. 22 %

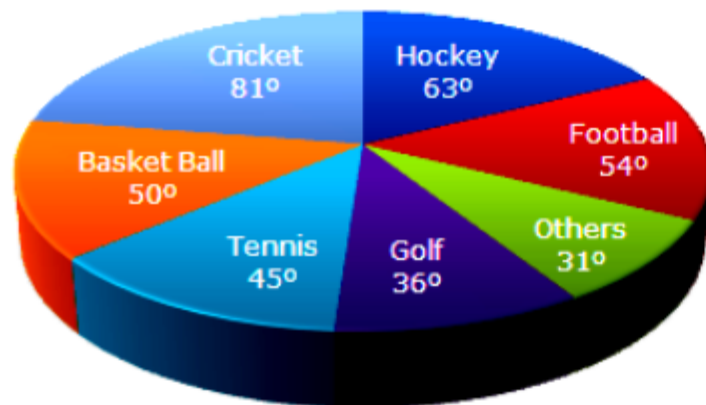
34. If the total investment other than by FII and corporate houses is Rs 335,000 crore, then the investment by NRI's and Offshore funds will be (approximately) ?

- A. 274,100
B. 285,600
C. 293,000
D. Cannot be determined

35. If the total investment flows from FII's were to be doubled in the next year and the investment flows from all other sources had remained constant at their existing levels for this year, then what would be the proportion of FII investment in the total investment into India Bonds next year (in US \$ millions) ?

- A. 40 %
B. 50 %
C. 60 %
D. 70 %

The circle-graph given here shows the spendings of a country on various sports during a particular year. Study the graph carefully and answer the questions given below it.



36. What percent of total spending is spent on Tennis?

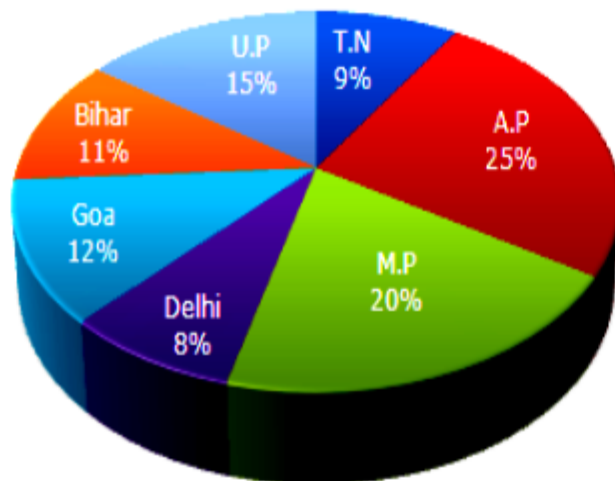
- A. $12\frac{1}{2}\%$
B. $22\frac{1}{2}\%$
C. 25%
D. 45%

37. How much percent more is spent on Hockey than that on Golf?

- A. 27%
B. 35%
C. 37.5%
D. 75%

42. Which institute has the highest percentage of candidates passed to the candidates enrolled?
- A. Q B. R
- C. V D. T
43. The number of candidates passed from institutes S and P together exceeds the number of candidates enrolled from institutes T and R together by:
- A. 228 B. 279
- C. 399 D. 407
44. What is the percentage of candidates passed to the candidates enrolled for institutes Q and R together?
- A. 68% B. 80%
- C. 74% D. 65%
45. What is the ratio of candidates passed to the candidates enrolled from institute P?
- A. 9 : 11 B. 14 : 17
- C. 6 : 11 D. 9 : 17

Data of different states regarding population of states in the year 1998



States	Sex and Literacy wise Population Ratio			
	Sex		Literacy	
	M	F	Literate	Illiterate
A.P	5	3	2	7
M.P	3	1	1	4
Delhi	2	3	2	1
Goa	3	5	3	2
Bihar	3	4	4	1
U.P.	3	2	7	2
T.N.	3	4	9	4

Total population of the given States = 3276000.

46. What will be the percentage of total number of males in U.P., M.P. and Goa together to the total population of all the given states?
- A. 25% B. 27.5%
- C. 28.5% D. 31.5%
-
47. What was the total number of illiterate people in A.P. and M.P. in 1998?
- A. 876040 B. 932170
- C. 981550 D. 1161160
-
48. What is the ratio of the number of females in T.N. to the number of females in Delhi?
- A. 7 : 5 B. 9 : 7

C. 13 : 11

D. 15 : 14

49. What was the number of males in U.P. in the year 1998?

A. 254650

B. 294840

C. 321470

D. 341200

50. If in the year 1998, there was an increase of 10% in the population of U.P. and 12% in the population of M.P. compared to the previous year, then what was the ratio of populations of U.P. and M.P. in 1997?

A. 42 : 55

B. 48 : 55

C. 7 : 11

D. 4 : 5

1	C	11	B	21	C	31	C	41	C
2	C	12	D	22	C	32	C	42	B
3	B	13	A	23	B	33	C	43	C
4	A	14	D	24	D	34	A	44	B
5	D	15	D	25	D	35	B	45	C
6	D	16	D	26	B	36	A	46	C
7	B	17	A	27	D	37	D	47	D
8	B	18	D	28	C	38	A	48	D
9	A	19	B	29	B	39	C	49	B