

SGIPLCECCMC Data Interpretation (Bar & Pie Chart)

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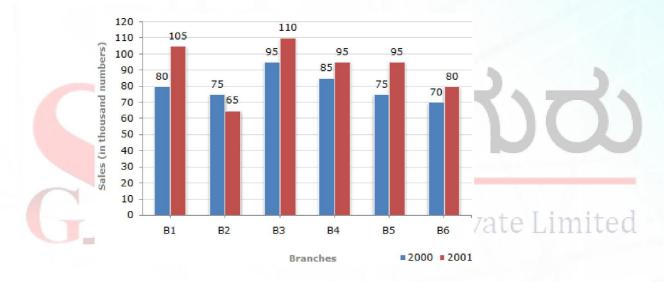


Bar Chart - 1

Directions to Solve

The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.

Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.



- 1. What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years?
- a) 2:3
- b) 3:5
- c) 4:5
- d) 7:9

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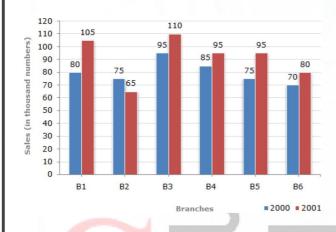


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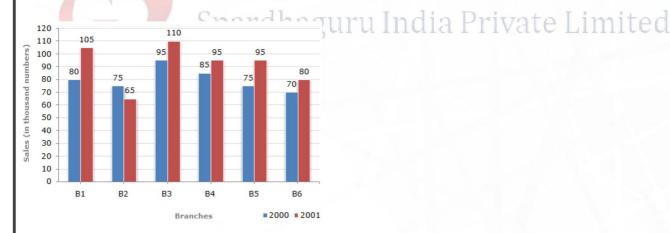


2. Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years?

- a) 68.54%
- b) 71.11%
- c) 73.17%
- d) 75.55%



- 3. What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000?
- a) 75%
- b) 77.5%
- c) 82.5%
- d) 114.2%



- 4. What are the average sales of all the branches (in thousand numbers) for the year 2000?
- a) 73
- b) 80
- c) 83
- d) 88

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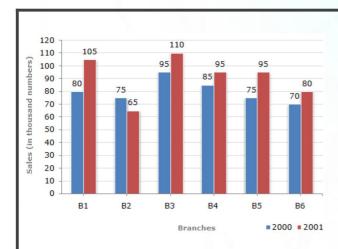
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5. Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers)



30 20 10 B2 ■2000 ■ 2001 Branches

Bar Chart - 2

40

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The bar graph given below shows the foreign exchange reserves of a country (in million US \$) from 1991 - 1992 to 1998 - 1999.

Foreign Exchange Reserves of a Country. (in million US \$)



1. The ratio of the number of years, in which the foreign exchange reserves are above the average reserves, to those in which the reserves are below the average reserves is?

a) 2:6

b) 3:3

c) 3:5

d) 4:4

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2. The foreign exchange reserves in 1997-98 was how many times that in 1994-95?

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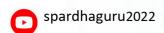


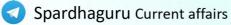




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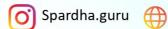
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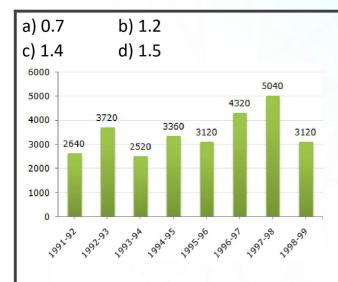






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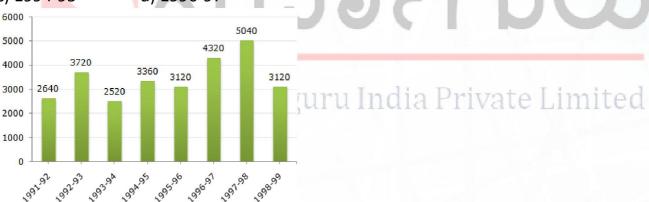
3. For which year, the percent increase of foreign exchange reserves over the previous year, is the highest?

a) 1992-93

b) 1993-94

c) 1994-95

d) 1996-97



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4. The foreign exchange reserves in 1996-97 were approximately what percent of the average foreign exchange reserves over the period under review?

- a) 95%
- b) 110%
- c) 115%
- d) 125%



5. What was the percentage increase in the foreign exchange reserves in 1997-98 over 1993-94?

- a) 100
- b) 150
- c) 200
- d) 620



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Pie Chart -

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Directions to Solve

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



1. 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. 26,15

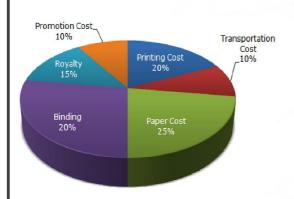
Spardhaguru India Private Limited 2. What is the central angle of the sector corresponding to the expenditure incurred on Royalty?

a) 15°

b) 24°

c) 54°

d) 48°



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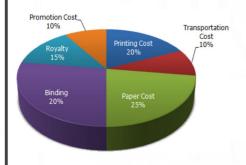


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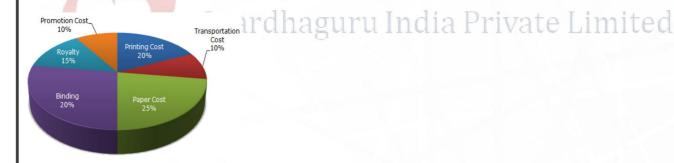
3. The price of the book is marked 20% above the C.P. If the marked price of the book is Rs. 180, then what is the cost of the paper used in a single copy of the book?

- a) Rs. 36
- b) Rs. 37.50
- c) Rs. 42
- d) Rs. 44.25



4. 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



5. Royalty on the book is less than the printing cost by:

- a) 5%
- b) $33\frac{1}{5}\%$
- c) 20%
- d) 33.33%

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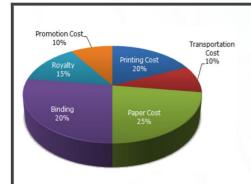


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- 6. If the difference between the two expenditures are represented by 18° in the pie-chart, then these expenditures possibly are
- a) Binding Cost and Promotion Cost
- b) Paper Cost and Royalty
- c) Binding Cost and Printing Cost
- d) Paper Cost and Printing Cost



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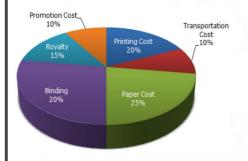


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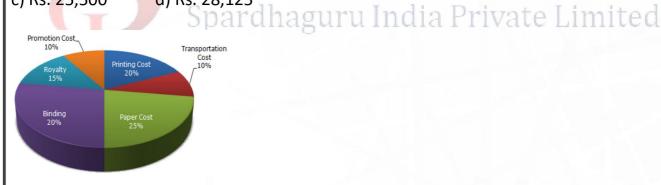
7. For an edition of 12,500 copies, the amount of Royalty paid by the publisher is Rs. 2,81,250. What should be the selling price of the book if the publisher desires a profit of 5%?

- 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



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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



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