



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



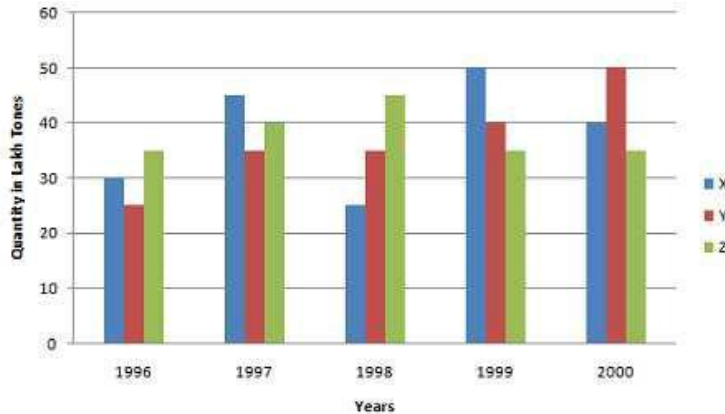
Sub: Arithmetic  
Duration: 40 min

Class: 7  
Worksheet Solution 26  
BAR GRAPHS

Date: 08.06.20  
Full Marks: 15

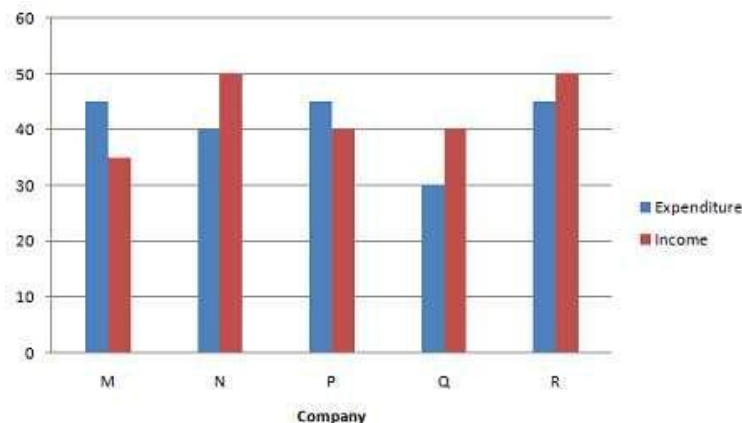
Choose the Correct options:

**Q1-Q5. 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.**



- 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 E. None of these
- 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 E. None of these
- What is the percentage increase in the production of company Y from 1996 to 1999?  
A. 30% B. 45% C. 50% **D. 60%** E. 75%
- The average production for five years was maximum for which company?  
A. X B. Y C. Z D. X and Y both **E. X and z both**
- 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 E. 2000

**Q6-Q10. The following bar graph shows the percent profit or loss of a company is given by Income and Expenditures (in million US \$) of five companies in the year 2001.**

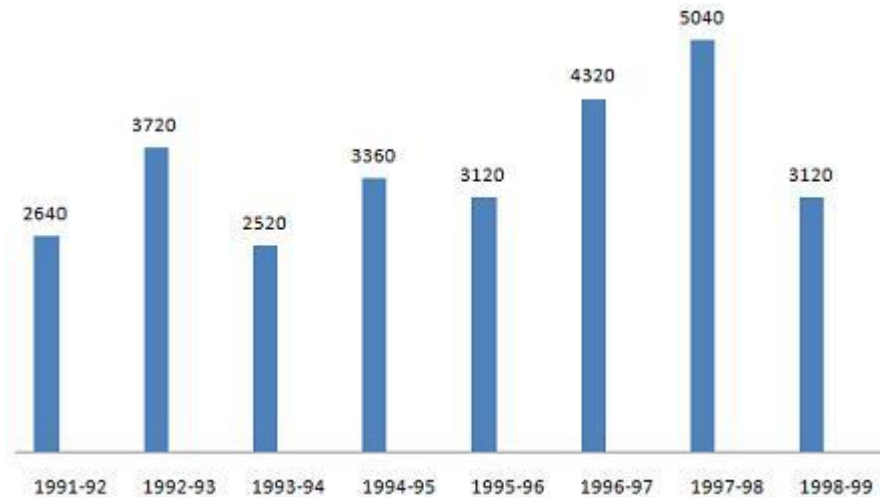


$$\text{Profit/Loss \%} = (\text{Income} - \text{Expenditure}) / \text{Expenditure} * 100$$

- Which company earned the maximum percentage profit in the year 2001? A.MB.NC.PD.QE.R

7. The companies M and N together had a percentage profit / loss of :  
 A. 12% loss B. 10% loss C. 10% profit D. 12% profit **E. There was no loss or profit**
8. In 2001 what was the approximate percentage of profit / loss of all the five companies taken together?  
**A. 5% profit** B. 6.5% profit C. 4% loss D. 7% loss E. 10% profit
9. If the income of company Q in 2001 was 10% more than its income in 2000 and the company had earned a profit of 20% in 2000, then its expenditure in 2000(in million US \$) was :  
 A. 28.28 **B. 30.30** C. 32.32 D. 34.34 E. 36.36
10. For company R, if the expenditure had increased by 20% in year 2001 from year 2000 and the company had earned a profit of 10% in 2000, what was the company's income in 2000(in million US \$)?  
 A. 35.75 B. 37.25 C. 38.5 **D. 41.25** E. 42.75

**Q11-Q15. The bar graph given below shows the foreign exchange reserves of a country (in million US \$) from 1991-92 to 1998-99. Answer the questions based on this graph. Foreign Exchange Reserves of A Country (in million US \$)**



11. The foreign exchange reserves in 1997-98 was how many times that in 1994-95?  
 A. 0.7 B. 1.2 C. 1.4 **D. 1.5** E. 1.8
12. What was the percentage increase in the foreign exchange reserves in 1997-98 over 1993-94?  
**A. 100** B. 150 C. 200 D. 620 E. 2520
13. For which year, the percent increase of foreign exchange reserves over the previous year, in the highest?  
**A. 1992-93** B. 1993-94 C. 1994-95 D. 1996-97 E. 1997-98
14. 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%** E. 140%
15. 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. 3:4 **C. 3:5** D. 4:4 E. 5:3