



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

Work sheet 18

SUBJECT : Arithmetic

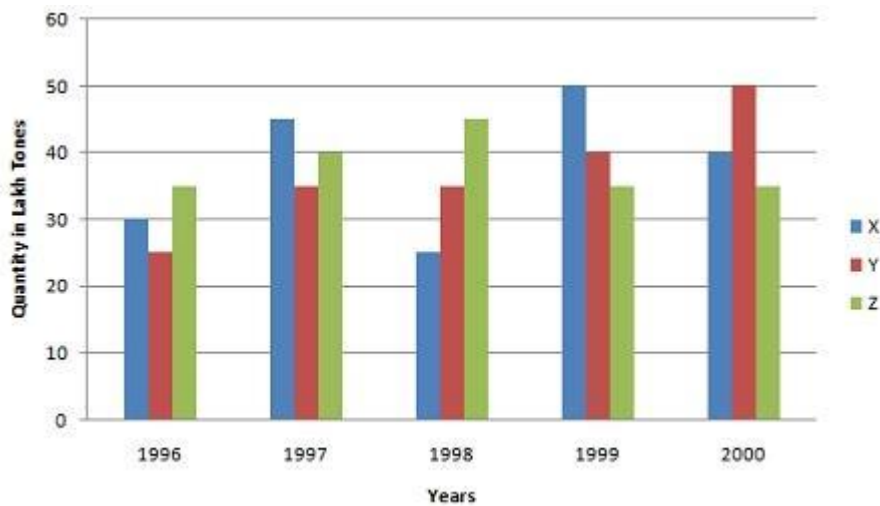
Marks:15

Graphical representation of data(Bar graphs)

Date:27.4.2020

Answer all the following questions($1 \times 15 = 15$)

1. 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

2. 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

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

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

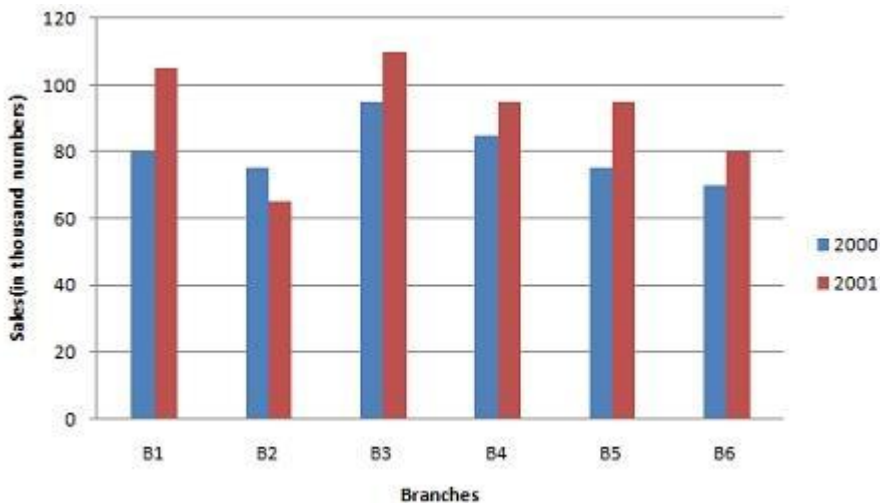
4. The average production for five years was maximum for which company?

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

5. 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

6. The bar-graph provided gives the Sales of books (in thousand numbers) from six branches - B1, B2, B3, B4, B5 and B6 of a publishing company in 2000 and 2001.



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

- A. 250
- B. 310
- C. 435

- **D.** 560

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

- **A.** 68.54%
- **B.** 71.11%
- **C.** 73.17%
- **D.** 75.55%

What is the average sale of all the branches (in thousand numbers) for the year 2000?

- **A.** 73
- **B.** 80
- **C.** 83
- **D.** 88

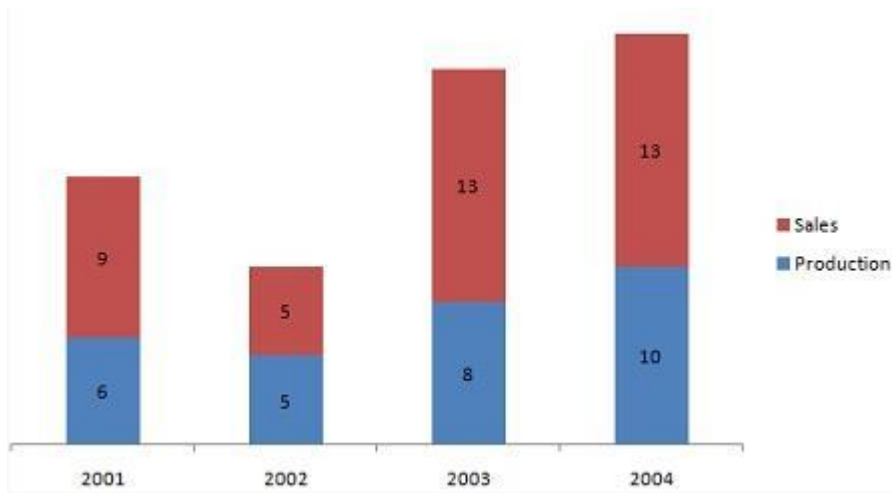
9. What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years?

- **A.** 2:3
- **B.** 3:5
- **C.** 4:5
- **D.** 7:9

10. 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.** 87.5%

11. The bar chart shows production and sales of air-conditioners(in thousands) over the years 2001 to 2004. Observe the bar chart and answer the following questions :



The year in which production is equal to sales?

- A. 2004
- B. 2002
- C. 2003
- D. 2004

12. The number of years in which sales is more than production are?

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

13. What approximately is the percentage of sales is production in the year 2004?

- A. 77%
- B. 78%
- C. 76%
- D. 75%

14. The percentage by which sales exceeds production in 2004 is?

- A. 39%
- B. 30%
- C. 15%
- D. 27%

15. The ratio of sale to production is 2001 and 2003 taken together is?

- [A.](#) 7:11
- [B.](#) 9:7
- [C.](#) 7:9
- [D.](#) 11:7

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