ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

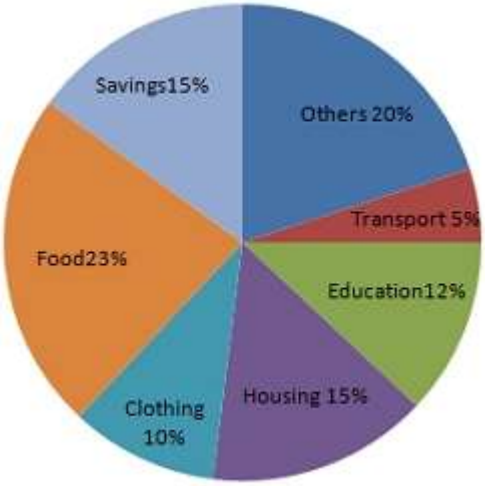
SUBJECT :ArithmeticWork sheet30

Marks:15Graphical representation of data

Date:7.6.21

Answer all thefollowing questions(1×15=15)

1.Pie chart shows the percent of money spent by family on various item during 1999. Study the graph and answer these questions.



If the total amount spent during the year 1999 was Rs. 46000, the amount spent on food was :

1. **A.** Rs. 2000
2. **B.** Rs. 10580
3. **C.** Rs. 23000
4. **D.** Rs. 2300

2.If the total amount spent was Rs. 46,000, how much money was spent on clothing and housing together?

1. **A.** Rs. 11500

2. **B.** Rs. 1150
3. **C.** Rs. 10000
4. **D.** Rs. 15000

3. The ratio of the total amount of money spent on housing to that spent on education was

1. **A.** 5:2
2. **B.** 2:5
3. **C.** 4:5
4. **D.** 5:4

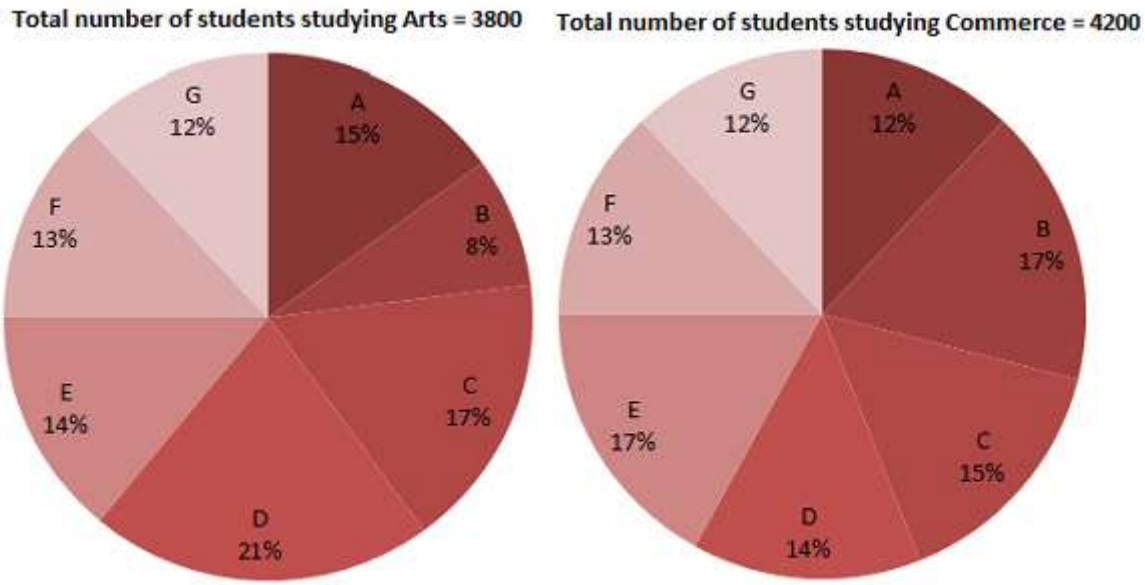
4. Graph shows that the maximum amount was spent on

1. **A.** Food
2. **B.** Housing
3. **C.** Clothing
4. **D.** Others

5. If the total expenditure of the family for the year 1999 was Rs. 46,000, the family saved during the year

1. **A.** Rs. 1500
2. **B.** Rs. 15000
3. **C.** Rs. 6900
4. **D.** Rs. 3067 approx

6. These questions are based on the following graphs:
Distribution of candidates studying Arts and Commerce from seven different institutes A, B, C, D, E, F and G.



What is the ratio between the number of students studying Arts from institute E and the number of students studying Commerce from institute D respectively?

1. **A.** 17:19
2. **B.** 19:27
3. **C.** 14:19
4. **D.** 19:21

7. What is the total number of students studying Arts from institute A and G together?

1. **A.** 1026
2. **B.** 918
3. **C.** 966
4. **D.** 1130

8. How many students are studying Commerce from institute B and D together?

1. **A.** 1158
2. **B.** 1302
3. **C.** 1232
4. **D.** 1272

9. How many students are studying Arts and Commerce from institute B?

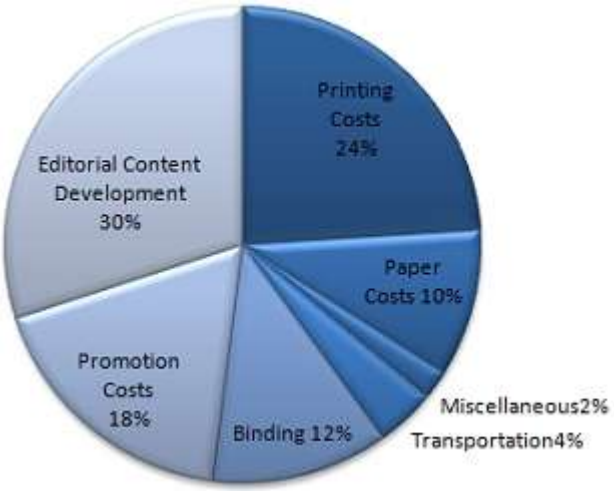
1. **A.** 1418

2. **B.** 2000
3. **C.** 1018
4. **D.** 1208

10. What is the ratio between the number of students studying Arts and Commerce respectively from institute E?

1. **A.** 19:17
2. **B.** 17:29
3. **C.** 19:29
4. **D.** 17:27

11. Following questions are based on the pie chart which gives the expenditure incurred in printing a magazine :



What is the angle for the sector representing paper cost?

- **A.** 10°
- **B.** 36°
- **C.** 23 1/2 °
- **D.** 45°

12. What should be the central angle of the sector representing transportation charges?

- **A.** 4°
- **B.** 8.4°
- **C.** 12.4°

- **D.** 14.4°

13. If the editorial content development cost is Rs. 30,000 then the cost of transportation can be expected to be .

- **A.** Rs. 4000
- **B.** Rs. 400
- **C.** Rs. 12000
- **D.** Rs. 2000

14. For a given issue of a magazine, the miscellaneous cost is Rs. 20,000 and the paint-run is 12,500 copies. What should be the sale price if the publisher desires a profit of 5%?

- **A.** Rs. 5
- **B.** Rs. 7.50
- **C.** Rs. 8
- **D.** Rs. 8.40

15. If the promotional costs for given issue of the magazine is Rs. 9,000, then what is the cost of editorial content development?

1. **A.** Rs. 45,000
2. **B.** Rs. 30,000
3. **C.** Rs. 15,000
4. **D.** Rs. 20,000

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