

## TB(1B) Ch. 14 Simple Statistical Diagrams and Graphs (I)

### Multiple Choice Questions

#### 1. [13-14 Final Exam]

The stem-and-leaf diagram shows the Mathematics test marks of 25 students in S.1W. The passing mark is 50. Find the percentage of students who failed the test.

Stem marks) (10	Leaf (1 mark)
2	1 1
3	5 7 8
4	0 0 4 5
5	0 1 1 8
6	1 3 3 3
7	4 8 9
8	1 5
9	2 4 4

- A. 20%                      B. 28%  
C. 36%                      D. 64%

#### 2. [14-15 Final Exam, #8]

The stem-and-leaf diagram below shows the distribution of the ages of workers in a company. Find the number of workers who are not older than the age of 34.

Stem (tens)	Leaf (units)
2	0 3 6 6 7
3	1 4 4 7 8 9 9
4	2 5 5 6 6
5	4 7
6	3

- A. 6                              B. 8  
C. 12                            D. 14

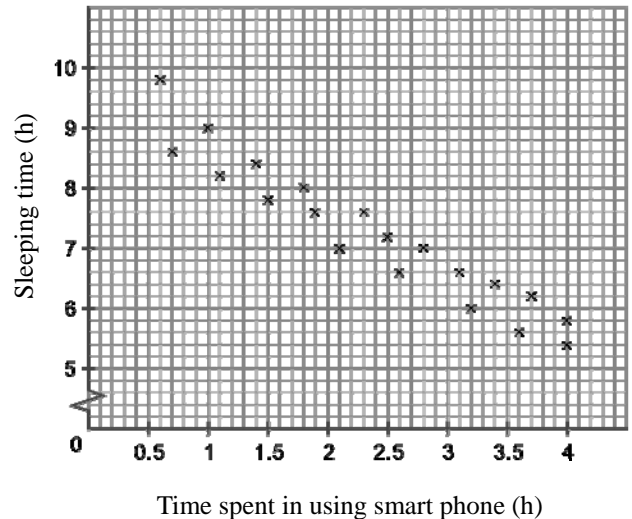
**3. [14-15 Final Exam]**

20 students were interviewed about their time spent on using smart phone and sleeping. The following scatter diagram shows the data. Which of the following statements are true?

- I. There is a negative relationship between the average daily time spent on using smart phone and sleeping.
- II. 5 students sleep more than 8 hours a day.
- III. The scatter diagram can be used to estimate the sleeping time of a student who spends 2 hours daily on using smart phone.

- A. I and II only
- B. I and III only
- C. II and III only
- D. I, II and III

Average daily time spent by 20 students on using smart phone and their daily sleeping time



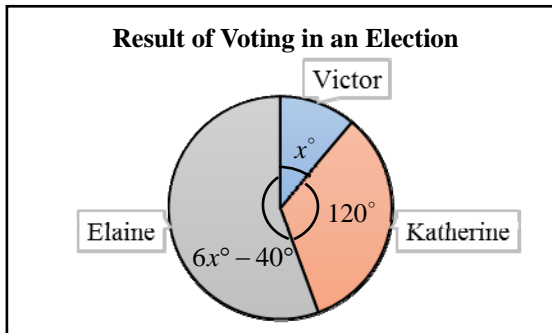
**4. [15-16 Final Exam, #9]**

Which of the following figures shows a negative relationship between two sets of data?

- A.
- B.
- C.
- D.

5. [16-17 Final Exam, #17]

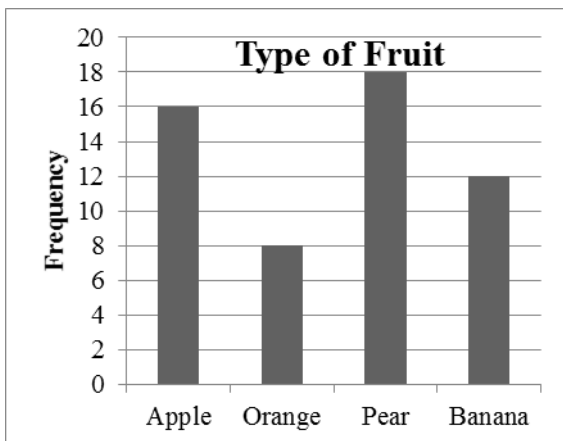
The pie chart below shows the result of voting in an election. It is known that Victor obtains 60 votes. Find the number of votes obtained by Elaine.



- A. 200
- B. 300
- C. 360
- D. 540

6. [17-18 Final Exam, #10]

The statistical diagram below is the bar chart of the number of different type of fruit consumed in a month.

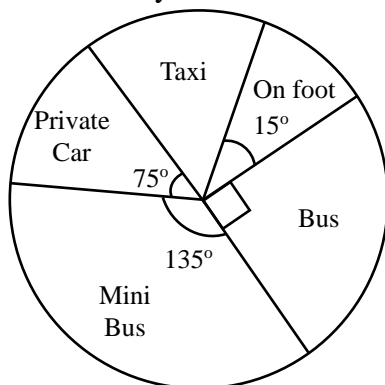


What type of graph can this bar chart be changed to?

- A. Pie chart
- B. Broken line graph
- C. Scattered diagram
- D. Stem-and-leaf diagram

7. [17-18 Final Exam, #11]

The pie chart below shows the ways of travelling to school of 1200 students. How many students travel by taxi?



- A. 50                      B. 150  
C. 250                     D. 450

~ End ~