TB(1B) Ch.12 Introduction to Statistics and Statistical Charts
Multiple Choice Questions

1. [16-17 Final Exam, #4]

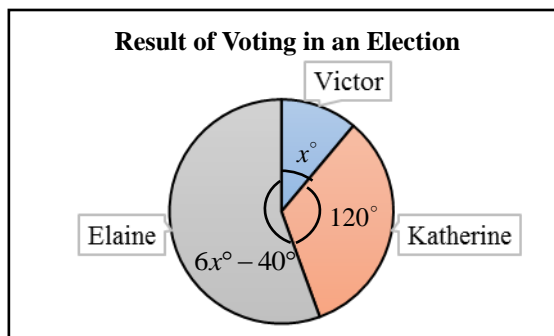Determine whether each of the following data is discrete or continuous.

I.   The number of teachers in a school.

II.   The height of a tree.

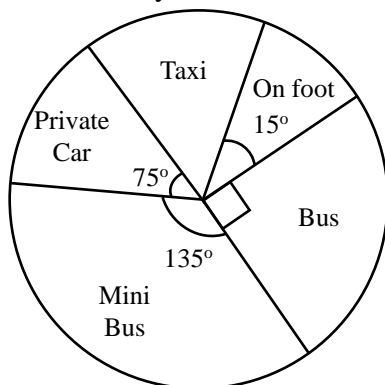|	I.	II.
A.	Discrete	Continuous
B.	Discrete	Discrete
C.	Continuous	Discrete
D.	Continuous	Continuous

2. [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

3. [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

4. [18-19 Final Exam, #16]

The back-to-back stem-and-leaf diagram below shows the scores of classes 1G and 1H in a test.

There are 20 students in each class and the passing mark of the test is 20.

Scores of classes 1G and 1H in a test

1G		1H
Leaf (1)	Stem (10)	Leaf (1)
8	0	
9 9 6	1	1 3 4 6 7 9
9 9 7 6 6 5 4 2 0	2	0 0 2 3 5 5 6 7 8
6 5 3 2 1 0 0	3	0 0 1 3 5

Which of the following are true?
I.   All students scored more than 10 marks in 1H.
II.   The passing rate of 1G is 10% higher than that of 1H.
III.   Among the two classes, 7.5% of students get higher than 34 marks.

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

5.   **[18-19 Final Exam, #7]**

Which of the following is an example of discrete data?

A.   Weight of a shuttlecock
B.   Daily time spent on mobile phone of a student
C.   Length of a river in Asia
D.   Number of rivers in Asia

6. **[18-19 S3 Final Exam, #1]**
Determine whether each of the following data is discrete or continuous.

I. The number of girls in each class of Form 3.
II. The weights of girls in each class of Form 3.

	I.	II.
A.	Discrete	Discrete
B.	Discrete	Continuous
C.	Continuous	Discrete
D.	Continuous	Continuous

7.   **[20-21 S1 Final Exam #3]**
    Which of the following data are continuous?
A.   Number of students who wear glasses
B.   Sizes of shoes
C.   Students' favorite movies
D.   Speeds of a train

8.   **[20-21 S1 Final Exam #16]**
    The stem-and-leaf diagram below shows the distribution of the weight of 20 students in class 1G.
    If there are 10 students with weight less than or equal to 45 kg, find the values of a and b.

Weight of 20 students in class 1G

Stem (tens)	Leaf (units)
2	0 3 6
3	4 a 4 5 7
4	2 5 b 6 6
5	4 7
6	3

A. $a = 3, b = 5$
B. $a = 3, b = 6$
C. $a = 4, b = 5$
D. $a = 4, b = 6$

~ End ~