

Quiz #2 key (form A) **Answers are in bold italics.**

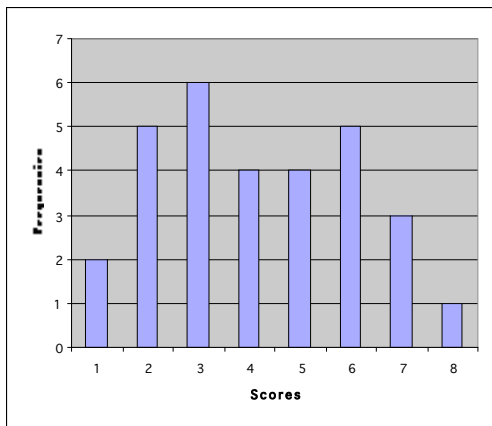
1) Which type of variable is described in the following: *The blood types of individuals.*

- a) **Qualitative** b) Quantitative

2) Which of the following describes the type of bias that occurs when individuals call in to answer a TV poll?

- a) **participation bias** b) sample bias c) selection bias d) no bias

3) Refer to the following graph showing quiz scores to answer the following questions. (1 point each)



a) How many people took the quiz? **30**

b) How many more received a score of 6 than received a score of 8? **4**

4) Which of the following describes a statistical graph where a quantity is represented by a curve and has the same value everywhere along the curve?

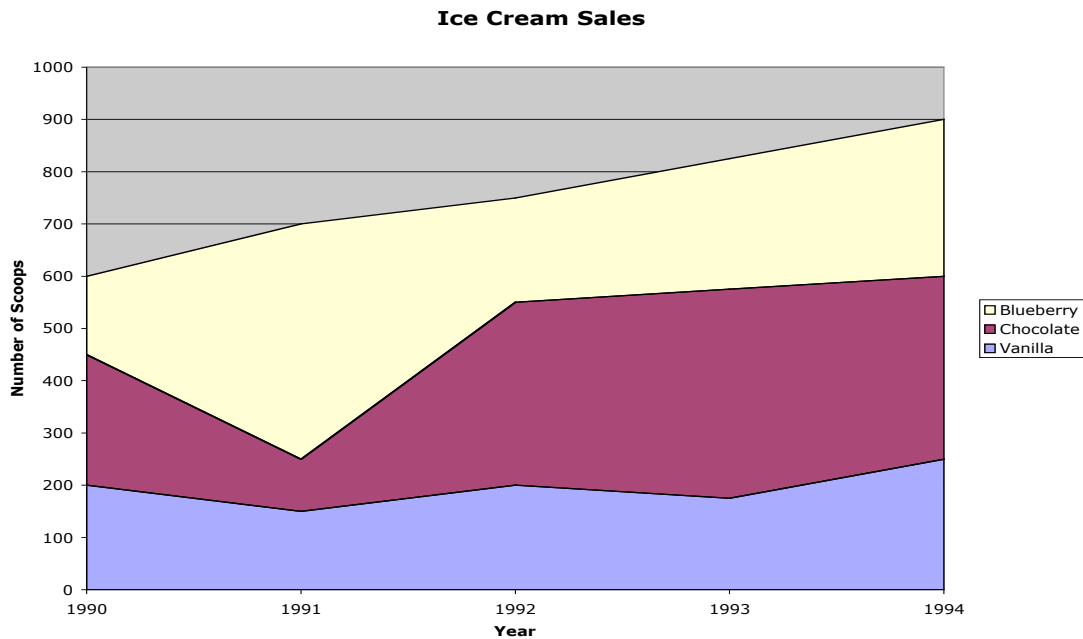
- a) Stack plot b) **Contour map** c) Multiple bar graph d) Pictograph

5) Which of the following statements would indicate that there might be a problem with the methods for teaching in Oak Ridge City schools? (Pick the BEST answer)

- a) 40% of the 3rd grade students read below average on a national test
b) **25% of the students scored above average on a national math test**
c) 75% of the 5th grade students read above average on a national test
d) 10% of the 10th grade students scored below average in science on a national test

Use the stack plot to answer questions 6 and 7.

An ice cream store recorded the number of scoops (in thousands) sold for each of three flavors during a 4 year period. The results are presented below.



6) The total number of scoops sold (in thousands) during 1992 was:

- a) 500 b) 400 c) 650 **d) 750**

7) The total number of scoops of chocolate ice cream sold (in thousands) in 1991 was:

- a) 100** b) 700 c) 250 d) 150

Use the following table to answer questions 8 and 9.

On a test in a particular class the grades were as follows:

A	B	C	D	F
14	10	12	7	7

8) The relative frequency for a grade of “B” was:

- a) 10 % **b) 20%** c) 0.2 % d) none of these

9) If this data was presented in a pie chart, what would be the angle measure of the region that represents the “C” grades?

- a) 865 b) 24 **c) 86.4** d) 90