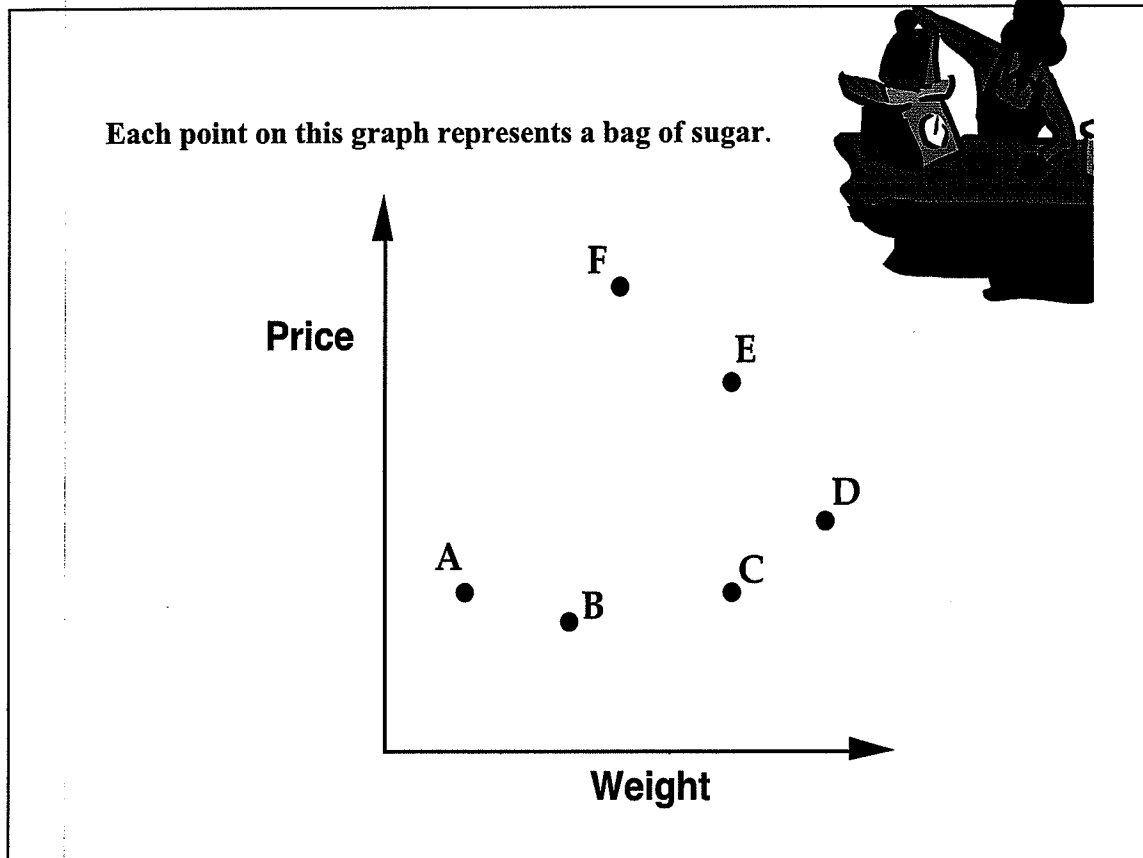

Sugar Prices



1. Which point shows the heaviest bag? _____
2. Which point shows the cheapest bag? _____
3. Which points show bags with the same weight? _____
4. Which points show bags with the same price? _____
5. Which of F or C gives the best value for money?
How can you tell? _____

Name: _____

Grade: 8

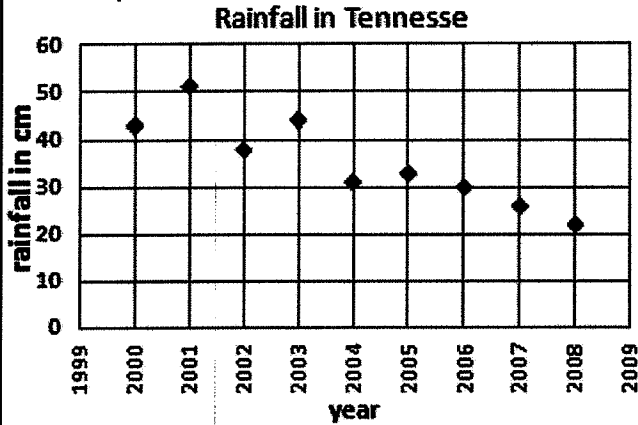
Date: 10/7/2013

Instructions:

Answer the following questions.

Question 1

What kind of trend do you see in the following scatter plot?



- A. Positive trend B. Negative trend
C. No trend D. Data is insufficient

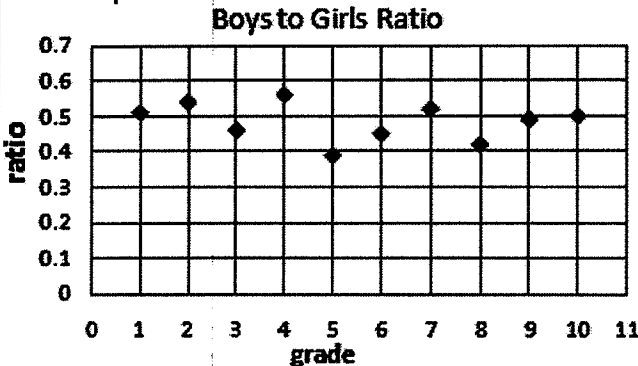
Question 2

Use the scatter plot shown in question 1. Approximately how much drop do you see in annual rainfall from 200 to 2008?

- A. 40 cm B. 10 cm
C. 50% D. 100%

Question 3

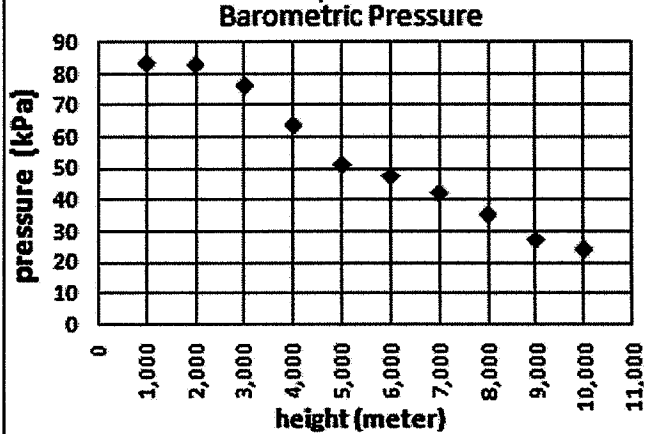
What kind of trend is shown in the following scatter plot?



- A. Positive trend B. Negative trend
C. No trend D. Data is insufficient

Question 4

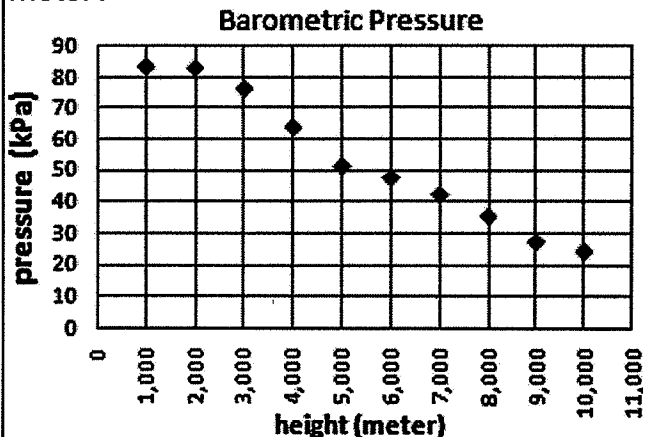
Which of the following is a correct statement based on the scatter plot shown below?



- A. As height decreases pressure increase
B. As height increase pressure also increase
C. As height decreases pressure also decreases
D. As kPa decreases meter increase

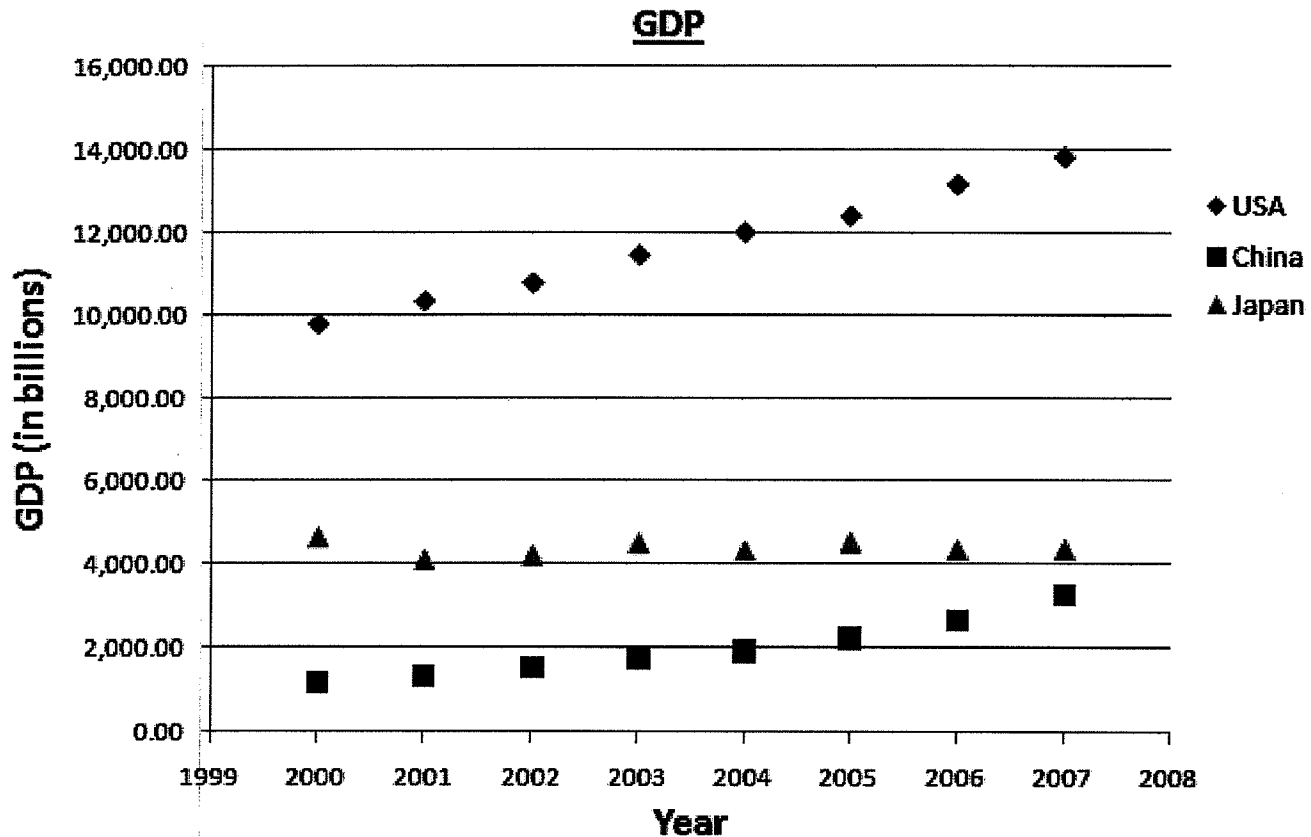
Question 5

If trend continues, what will be the approximate pressure at 0 meter and 11,000 meter?



- A. 90 meter and 20 meter B. 100 kPa and 20 kPa
C. 20 kPa and 90 kPa D. 90 kPa and 20 kPa

The following text/image is for 6 through 10



Question 6

Which country has the declining GDP trend from 2000 to 2007?

- A. USA B. China
C. Japan D. None of the above

Question 7

If trend continues, which country will have the second highest GDP in year 2010?

- A. USA B. China
C. Japan D. USA and China both

Question 8

Approximately what is the average GDP for Japan over the years?

- A. 32,000 B. 4,000
C. 32,000 billions D. 4,000 billions

Question 9

Calculate the approximate GDP growth for USA and China from 2000 to 2007.

- A. 2,000 billion and 4,000 billion B. 4,000 billion and 2,000 billion
C. 14,000 billion and 3,000 billion D. 3,000 billion and 14,000 billion

Question 10

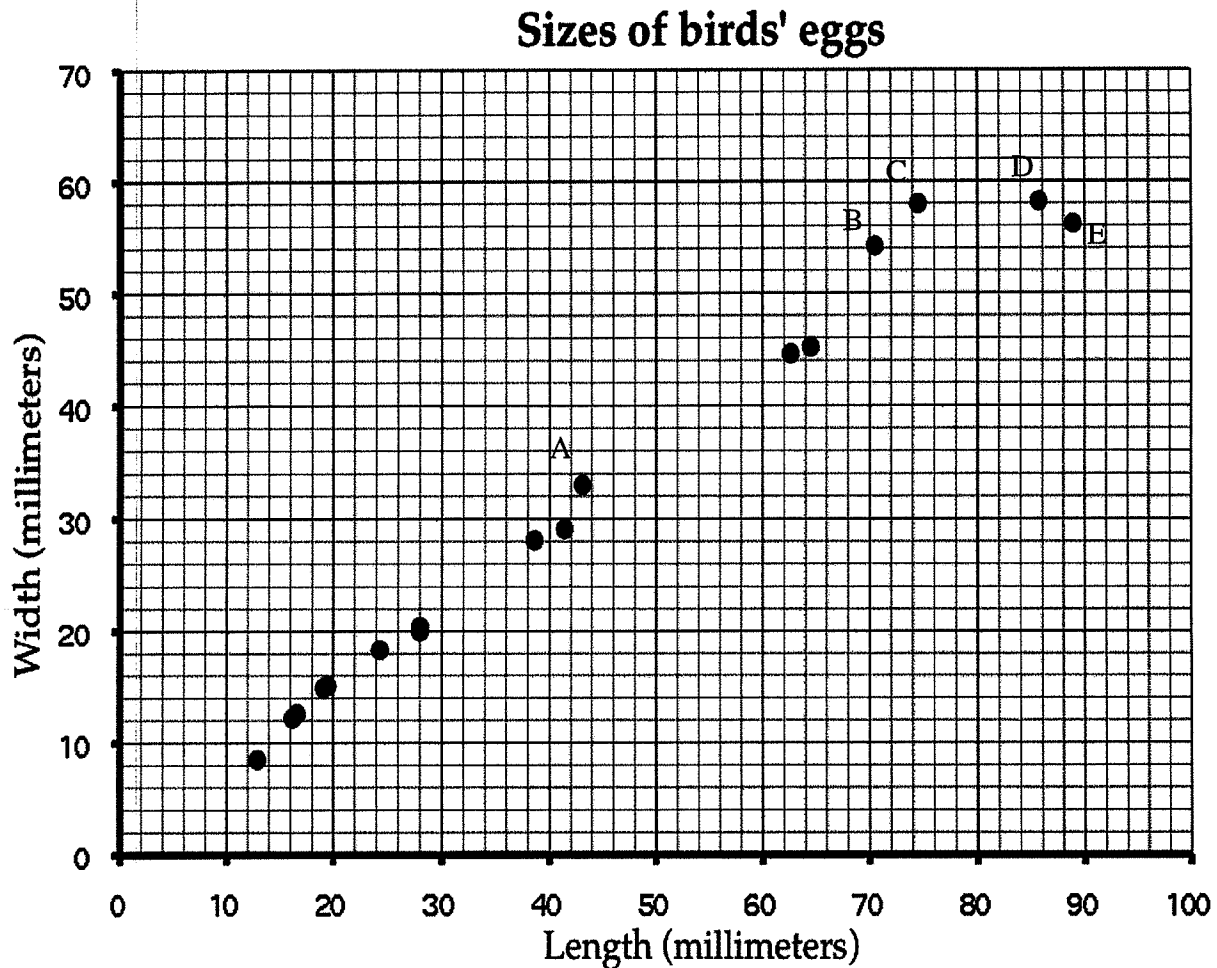
Calculate the approximate % change in the GDP growth for USA and China from 2000 to 2007.

- A. 40% and 200% B. 200% and 40%
C. 400% and 20% D. 40% and 20%

Free Worksheets From myTestBook.com — © myTestBook.com, Inc.

Birds' Eggs

This scatter diagram shows the lengths and the widths of the eggs of some American birds.



1. A biologist measured a sample of one hundred Mallard duck eggs and found they had an average length of 57.8 millimeters and average width 41.6 millimeters.

Use an **X** to mark a point that represents this on the scatter diagram.

2. What does the graph show about the connection between the lengths of birds' eggs and their widths?

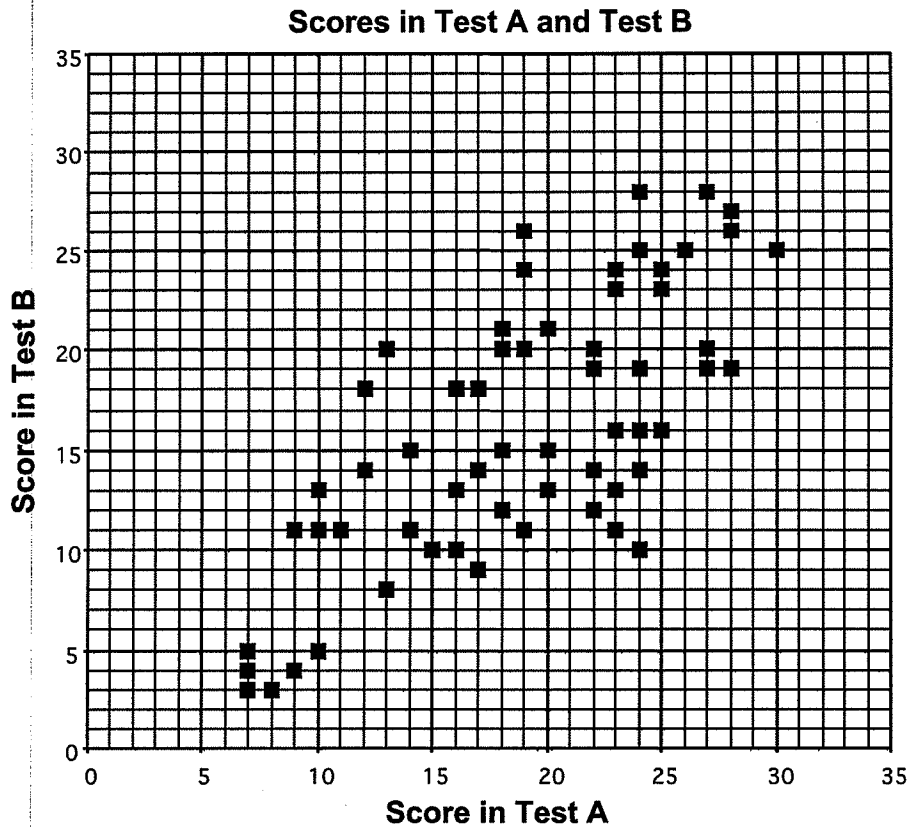
3. Another sample of similar birds has eggs with a length of 35 millimeters on average. If these birds follow the trend in the scatterplot, about what width would you expect these eggs to be, on average?

4. Describe the differences in shape of the two eggs C and D.

5. Which of the eggs A, B, C, D, and E has the greatest ratio of length to width? Explain how you decided.

Scatter Diagram

A group of 66 students took two tests; Test A and Test B.
In the scatter diagram, each square represents one student and shows the scores that student got in the two tests.



1. The mean score for Test A was 19 and the mean score for Test B was 16.
Plot a point to show this on the scatter diagram.

2. Draw a line of best fit on the scatter diagram.

How can a line of best fit be used?

3. Here are five statements about the scores shown on the scatter diagram.

If a statement is true check (✓) it.

If it is not true, write a correct statement.

Statement	Check (✓) or write correct statement
The scatter diagram shows positive correlation between the scores on Test A and the scores on Test B.	
The lowest score on Test A is lower than the lowest score for Test B.	
The range of scores on Test B is 25.	
The student with the highest score on Test A also has the highest score on Test B.	
The biggest difference between a student's scores on the two tests is 5.	