

GMAT INTEGRATED REASONING PRACTICE PAPER

• QUESTION 1 Topic: MISC Questions

Read the sources below before answering the question that follows.
E-mail 1—E-mail from division director to donations coordinator
August 10, 9:37 a.m.

Yesterday I spoke with the computer training lab administrator to update him on the status of donations for the school district's computer donations drive. He extended the donations deadline for another week, until next Tuesday. Are we on track to receive enough donations from students' families to meet our goal of computers for the new training lab? Do we need to extend our request to local businesses too?

E-mail 2—E-mail from donations coordinator in response to the division director's August 10, 9:37 a.m. message
August 10, 10:04 a.m.

To date we have received 40 computers. We need 100 computers donated to meet our goal for the new training lab. We have requested help from all of the students' families, so we should invite local businesses as well.

In all of our past drives, including this one so far, we have received donations from about 20 percent of those who received requests. (Of course, we might always receive more or less than that average, so we should consider the possibilities of not meeting the goal or overspending the budget for the thank-you event.) Each individual or organization donating a computer will receive two invitations to our thank-you event to celebrate the opening of the lab. Refreshments and supplies for the event are expected to run \$20 per person. What is the total budget for the thank-you event?

E-mail 3—E-mail from division director to donations coordinator in response to the donation coordinator's August 10, 10:04 a.m. message
August 10, 10:35 a.m.

The budget for the thank-you event is fixed at \$4,000. This would allow us to accommodate 2 attendees for each of the 100 computers donated. The budget is firm, so we should take care to ensure that the event costs stay within this amount. Although we do not have

resources to extend the budget, if necessary we could determine ways to reduce the cost per person if we receive more donations than the original goal amount.

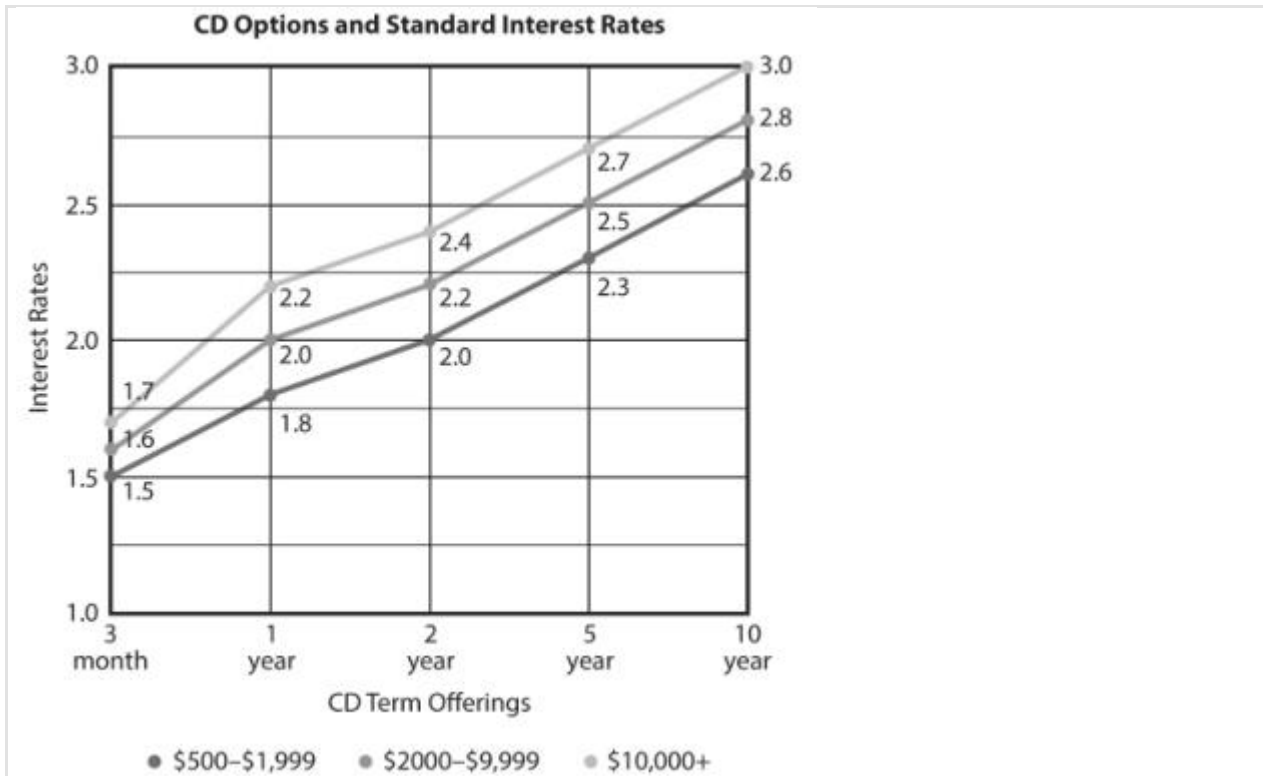
Suppose that the donations coordinator requests computer donations from 400 local businesses. If all the information in the three e-mails is accurate, the number of attendees that will be invited to participate in the thank-you event is closest to:

1. 300
2. 200
3. 160
4. 240
5. 135

[Report This Question](#)

- QUESTION 2 Topic: MISC Questions

This table provides the standard interest rates offered by Central Bank for CDs, listed according to term offering and purchase amount. The interest rates listed are annual rates, compounded annually, to be paid when the CD comes to term. No bonuses or other adjustments are included.



General memo to employees of Central Bank:

January 15th

In order to improve and stabilize our bank's investment opportunities, we are seeking to shift the balance of our customers' CD accounts towards those with longer maturity terms. We have begun testing two incentive programs. All CDs purchased with terms of at least 5 years now receive, as a bonus, an additional 0.1% interest during the first year to be added to the standard rate. Moreover, preferred customers (those who have previously bought CDs of any term length in amounts of \$10,000 or more) will receive a bonus of 0.2% during the first year when they purchase a CD with a term of 5 or 10 years in the amount of at least \$10,000. Other CDs continue at the standard rates.

We have also revised the schedule of penalties for early withdrawal and made these applicable to all new CDs. The penalties are as follows: For any CD, early withdrawal less than a year after the CD is

purchased results in a loss of all interest. For 2-year CDs, early withdrawal after the first year results in the loss of one year of interest. For 5-year and 10-year CDs, withdrawal after the first year one year of interest. For 5-year and 10-year CDs, withdrawal after the first year results in the loss of two years of interest and of any accrued bonus interest. Determine whether each of these transactions will, according to the new rules and rates described, yield a total interest payment of between \$500 and \$600.

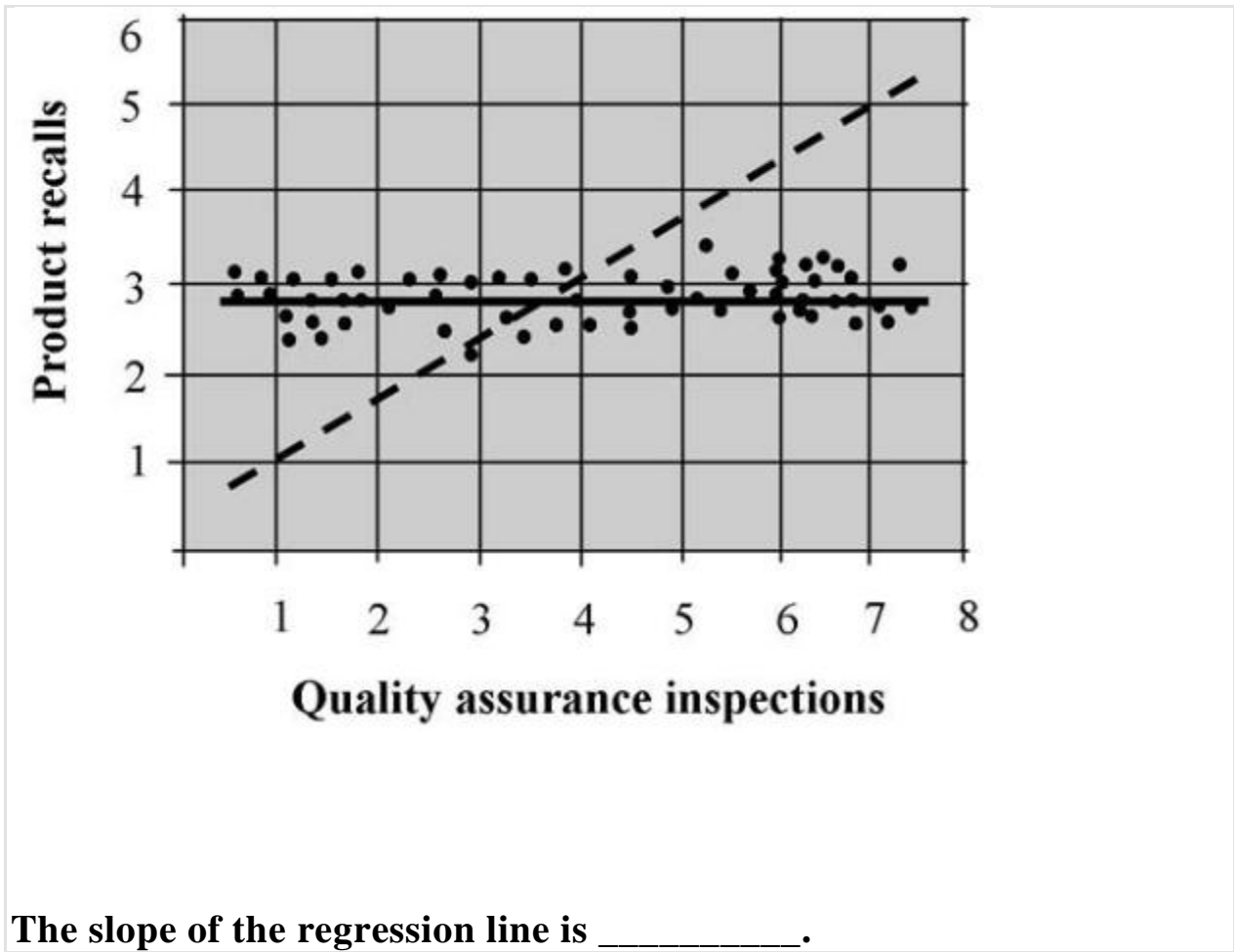
"A new customer's \$4,000 5-year CD held for the complete term"

1. Incorrect
2. Correct

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- QUESTION 3 Topic: MISC Questions

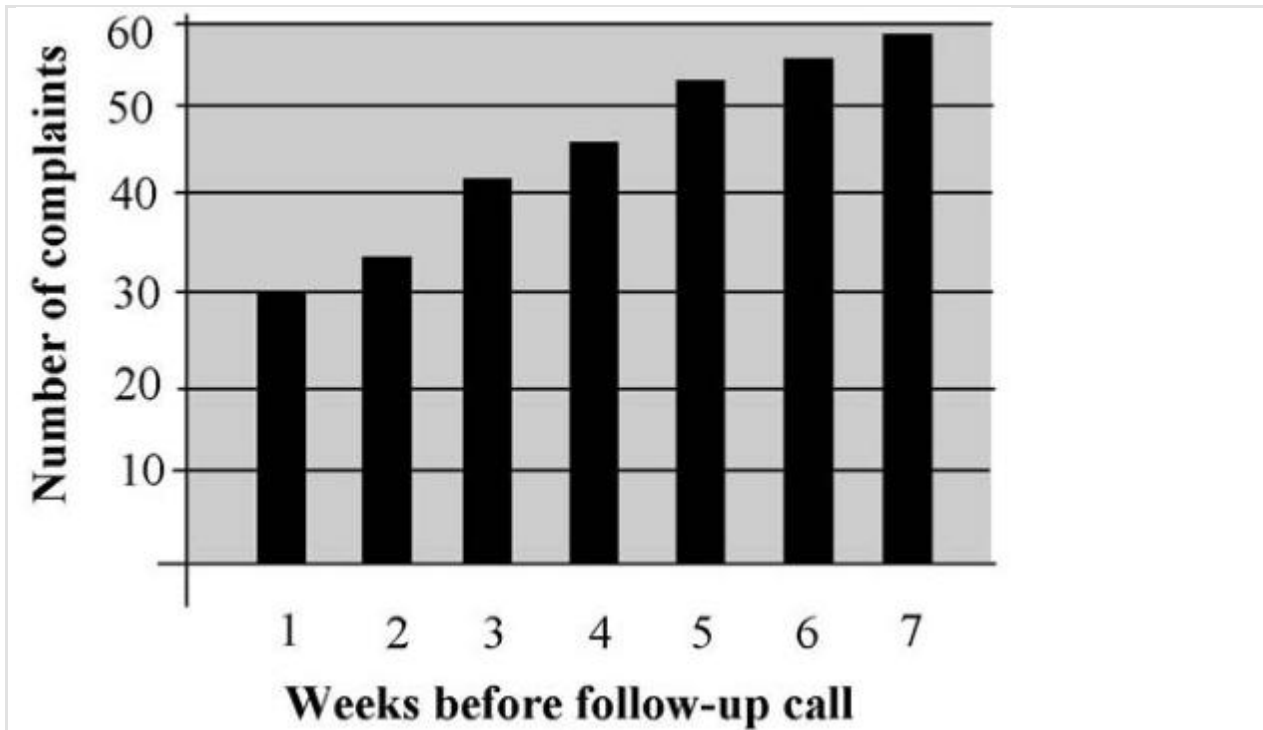
The graph shown is a scatter plot with 60 points, each representing the number of quality assurance inspections conducted on products manufactured at 60 different factories, and the corresponding numbers of product recalls experienced by each factory. Each factory conducted a consistent number of quality assurance inspections on all products produced during a one-year period, and the number of product recalls was measured over that same period. The solid line is the regression line, and the dashed line is the line through the points (1, 1) and (7, 5). Select the best answer to fill in the blanks in each of the statements below based on the data shown in the graph.



- 1. zero
- 2. positive
- 3. negative

[Report This Question](#)

• QUESTION 4 Topic: MISC Questions



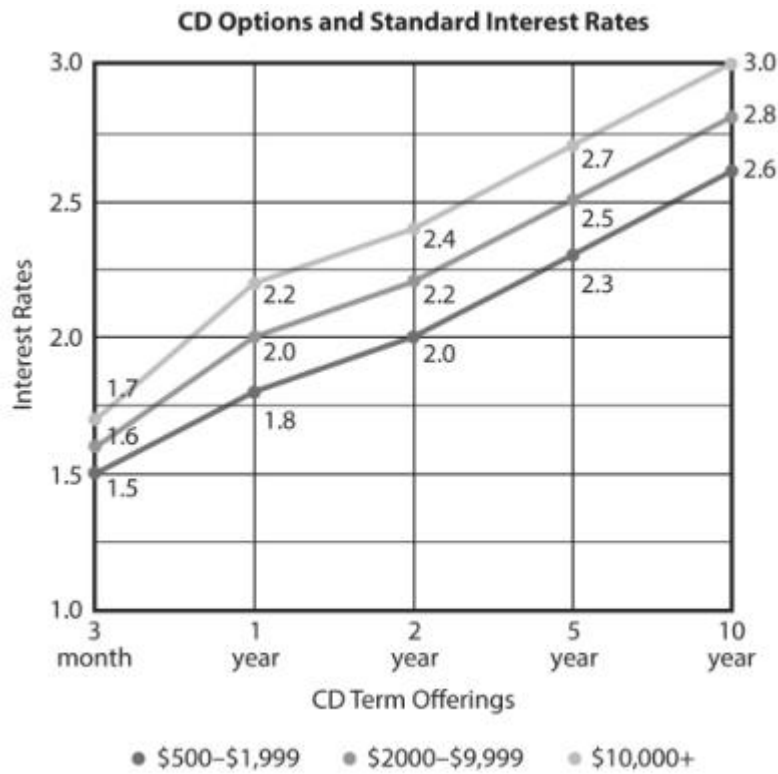
The graph above is a bar graph with seven bars, each representing the number of complaints received by a telephone company from its new customers. The customers received follow-up calls anywhere from one to seven weeks after placing their orders. The customers were grouped by follow-up call timing, and the number of complaints was recorded for each group over a one-year period. Select the best answer to fill in the blanks in each of the statements below based on the data shown in the graph.

The relationship between the number of complaints and the number of weeks before the call is _____.

1. negative
2. zero
3. positive

• QUESTION 5 Topic: MISC Questions

This table provides the standard interest rates offered by Central Bank for CDs, listed according to term offering and purchase amount. The interest rates listed are annual rates, compounded annually, to be paid when the CD comes to term. No bonuses or other adjustments are included.



General memo to employees of Central Bank: January 15th

In order to improve and stabilize our bank's investment opportunities, we are seeking to shift the balance of our customers' CD accounts towards those with longer maturity terms. We have begun testing two incentive programs. All CDs purchased with terms of at least 5 years now receive, as a bonus, an additional 0.1% interest during the first year to be added to the standard rate. Moreover, preferred customers (those who have previously bought CDs of any term length in amounts of \$10,000 or more) will receive a bonus of 0.2% during the first year when they purchase a CD with a term of 5

or 10 years in the amount of at least \$10,000. Other CDs continue at the standard rates.

We have also revised the schedule of penalties for early withdrawal and made these applicable to all new CDs. The penalties are as follows: For any CD, early withdrawal less than a year after the CD is purchased results in a loss of all interest. For 2-year CDs, early withdrawal after the first year results in the loss of one year of interest. For 5-year and 10-year CDs, withdrawal after the first year one year of interest. For 5-year and 10-year CDs, withdrawal after the first year results in the loss of two years of interest and of any accrued bonus interest. Consider each of the following statements. Does the information in the memo and the table support the inference as stated?

"The average (arithmetic mean) number of electoral votes received by Democratic presidents was greater than the average number of electoral votes received by Republican presidents."

1. Incorrect
2. Correct

[Report This Question](#)

- QUESTION 6 Topic: MISC Questions

This table provides the standard interest rates offered by Central Bank for CDs, listed according to term offering and purchase amount. The interest rates listed are annual rates, compounded annually, to be paid when the CD comes to term. No bonuses or other adjustments are included.



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We have also revised the schedule of penalties for early withdrawal and made these applicable to all new CDs. The penalties are as follows: For any CD, early withdrawal less than a year after the CD is purchased results in a loss of all interest.

For 2-year CDs, early withdrawal after the first year results in the loss of one year of interest. For 5-year and 10-year CDs, withdrawal after the first year one year of interest. For 5-year and 10-year CDs, withdrawal after the first year results in the loss of two years of interest and of any accrued bonus interest.

Determine whether each of the following investments will earn at least \$250 of interest in its first year.

"\$9,500 invested by a preferred customer in a 5- year CD"

1. Correct
2. Incorrect

[Report This Question](#)

• **QUESTION 7** Topic: MISC Questions

Year of Election	President	Political Party	Popular Vote (millions)	% of Popular Vote	Electoral Vote	% of Electoral Vote
1960	John Kennedy	Democratic	34.2	49.72%	303	56.40%
1964	Lyndon Johnson	Democratic	43.1	61.05%	486	90.30%
1968	Richard Nixon	Republican	31.8	43.42%	301	55.90%
1972	Richard Nixon	Republican	47.2	60.67%	520	96.70%
1976	James Carter	Democratic	40.8	50.08%	297	55.20%
1980	Ronald Reagan	Republican	43.9	50.75%	489	90.90%
1984	Ronald Reagan	Republican	54.5	58.77%	525	97.60%
1988	George Bush	Republican	48.9	53.37%	426	79.20%
1992	William Clinton	Democratic	44.9	43.01%	370	68.80%
1996	William Clinton	Democratic	47.4	49.23%	379	70.40%
2000	George W. Bush	Republican	50.5	47.87%	271	50.40%
2004	George W. Bush	Republican	62.0	50.73%	286	53.20%
2008	Barack Obama	Democratic	69.5	52.87%	365	67.80%

The table above gives information about the voting patterns in United States presidential elections from 1960 to 2008. In addition to giving the name and the political party of the President elected in each year, the table provides the total popular vote and electoral vote that the winner received in that election, as well as the percentage of the total vote that each figure represents.

Each column of the table can be sorted in ascending order by clicking on the word “Select” above the table and choosing, from the drop-down menu, the heading of the column on which you want the table to be sorted.

Alternate Sort 1: Electoral Vote

Year of Election	President	Political Party	Popular Vote (millions)	% of Popular Vote	Electoral Vote	% of Electoral Vote
2000	George W. Bush	Republican	50.5	47.87%	271	50.40%
2004	George W. Bush	Republican	62.0	50.73%	286	53.20%
1976	James Carter	Democratic	40.8	50.08%	297	55.20%
1968	Richard Nixon	Republican	31.8	43.42%	301	55.90%
1960	John Kennedy	Democratic	34.2	49.72%	303	56.40%
2008	Barack Obama	Democratic	69.5	52.87%	365	67.80%
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1980	Ronald Reagan	Republican	43.9	50.75%	489	90.90%
1972	Richard Nixon	Republican	47.2	60.67%	520	96.70%
1984	Ronald Reagan	Republican	54.4	58.77%	525	97.60%

Alternate Sort 2: Percent of Popular Vote

Year of Election	President	Political Party	Popular Vote (millions)	% of Popular Vote	Electoral Vote	% of Electoral Vote
1992	William Clinton	Democratic	44.9	43.01%	370	68.80%
1968	Richard Nixon	Republican	31.8	43.42%	301	55.90%
2000	George W. Bush	Republican	50.5	47.87%	271	50.40%
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1984	Ronald Reagan	Republican	54.4	58.77%	525	97.60%
1972	Richard Nixon	Republican	47.2	60.67%	520	96.70%
1964	Lyndon Johnson	Democratic	43.1	61.05%	486	90.30%

Consider each of the following statements about the Presidential election data. For each statement indicate whether the statement is correct or incorrect, based on the information provided in the table.

The same President was elected in the two election years in which the winner's percentage of the popular vote and percentage of the electoral vote were most nearly equal.

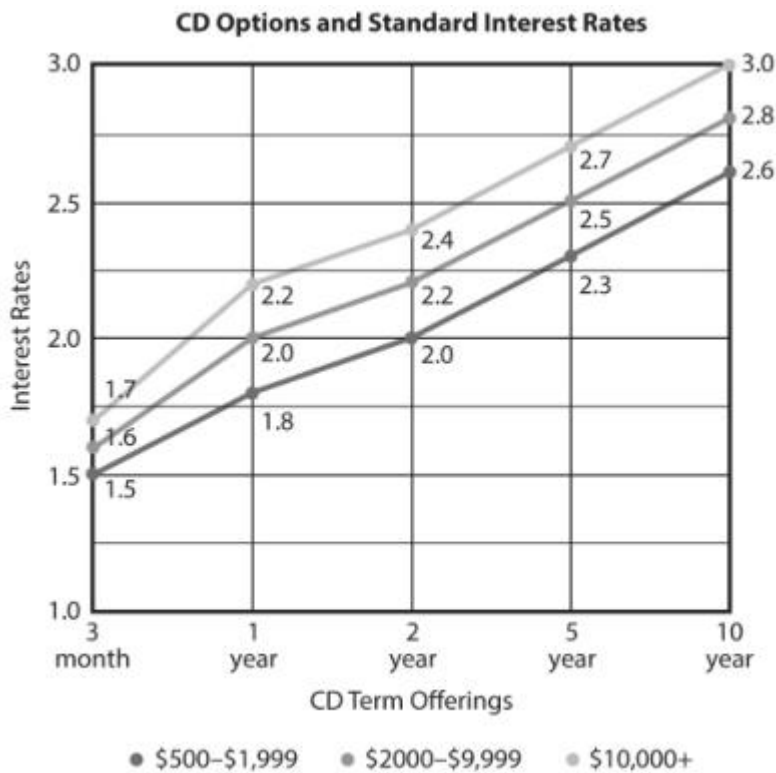
1. Correct
2. Incorrect

[Report This Question](#)

- QUESTION 8 Topic: MISC Questions

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amount. The interest rates listed are annual rates, compounded annually, to be paid when the CD comes to term. No bonuses or other adjustments are included.



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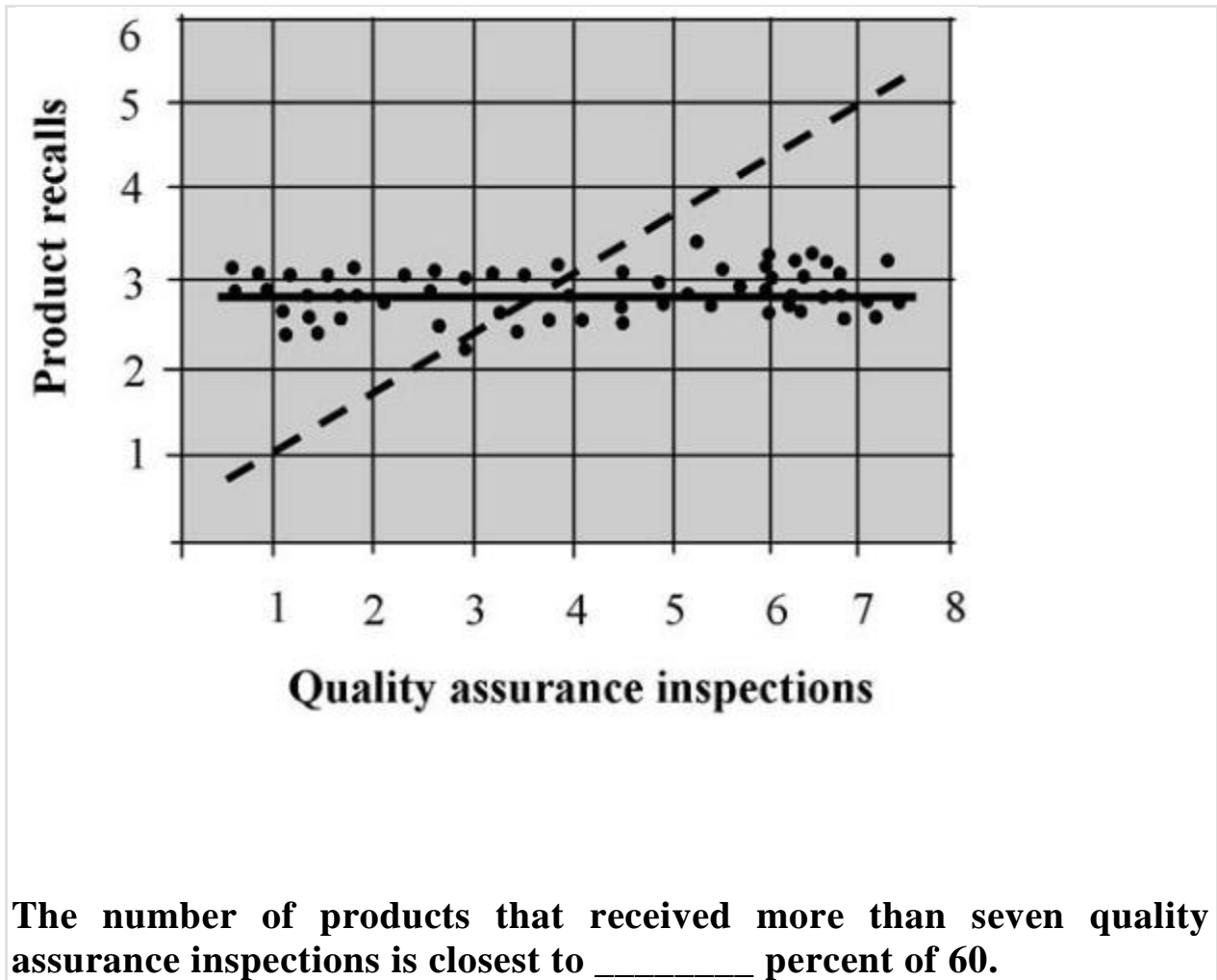
The same President was elected in the two election years in which the winner's percentage of the popular vote and percentage of the electoral vote were most nearly equal.

1. Incorrect
2. Correct

[Report This Question](#)

- QUESTION 9 Topic: MISC Questions

The graph shown is a scatter plot with 60 points, each representing the number of quality assurance inspections conducted on products manufactured at 60 different factories, and the corresponding numbers of product recalls experienced by each factory. Each factory conducted a consistent number of quality assurance inspections on all products produced during a one-year period, and the number of product recalls was measured over that same period. The solid line is the regression line, and the dashed line is the line through the points (1, 1) and (7, 5). Select the best answer to fill in the blanks in each of the statements below based on the data shown in the graph.

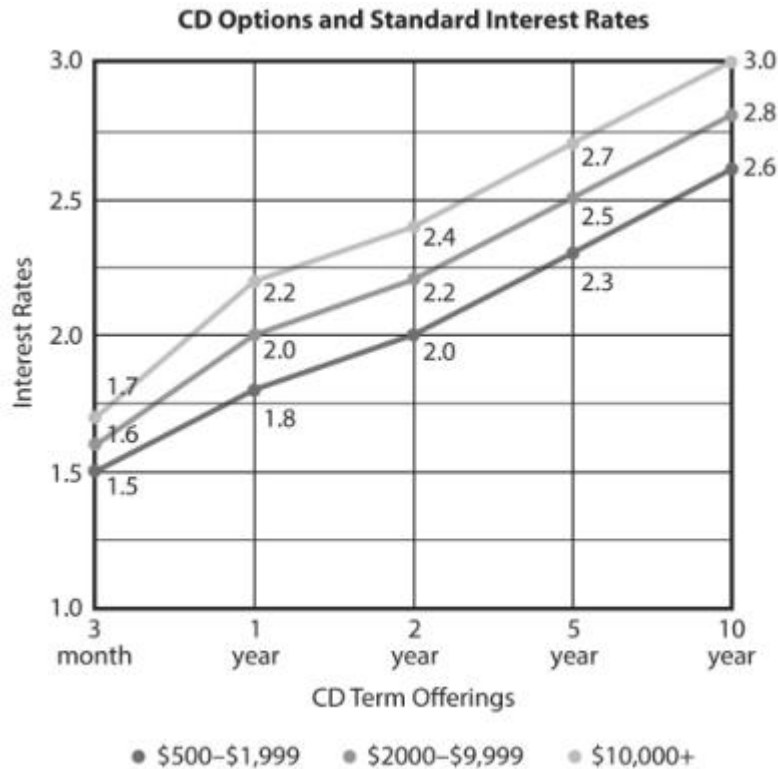


1. 20
2. 50
3. 0
4. 10
5. 35

[Report This Question](#)

• QUESTION 10 Topic: MISC Questions

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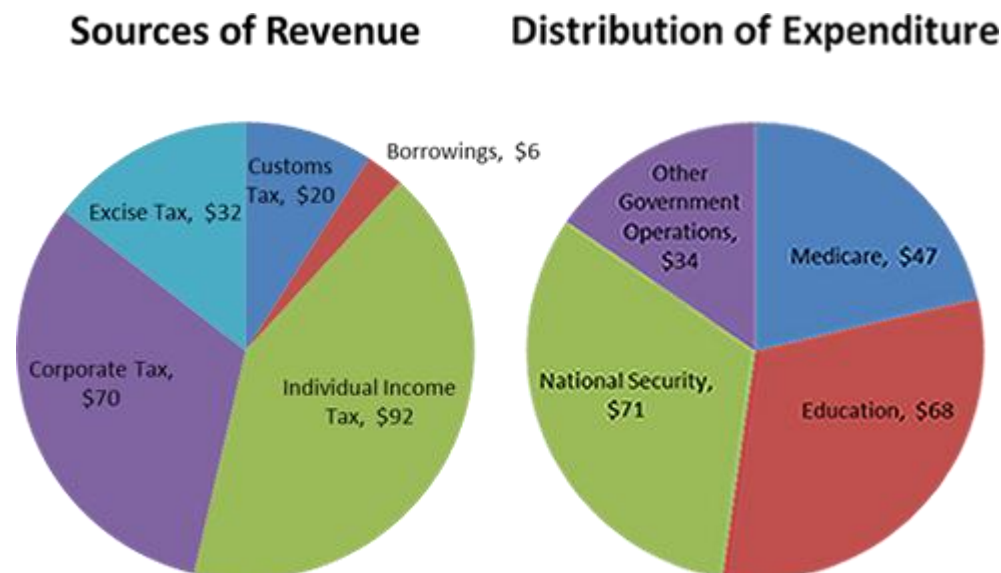
Determine whether each of the following investments will earn at least \$250 of interest in its first year.

"\$9,500 invested by a new customer in a 10-year CD"

- Correct
- Incorrect

QUESTION: 11

The following figure shows the total Sources of Revenue and Expenditures for France in 1995 (in \$ Billions).

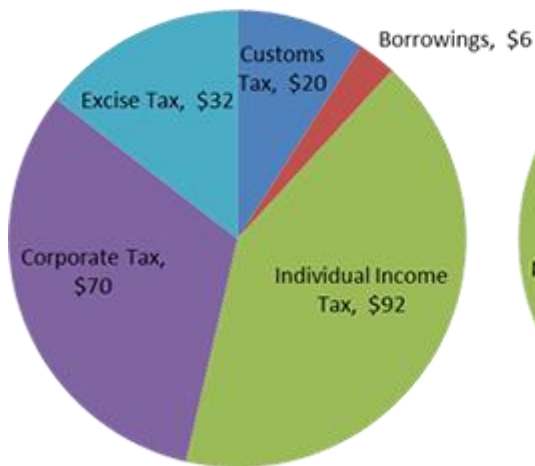


What percentage of total Revenues was collected through Excise Taxes?

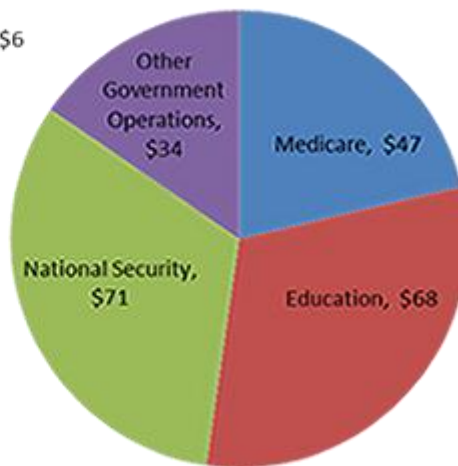
- 12.54%
- 14.54%
- 15.54%
- 13.54%

Question: 12

Sources of Revenue



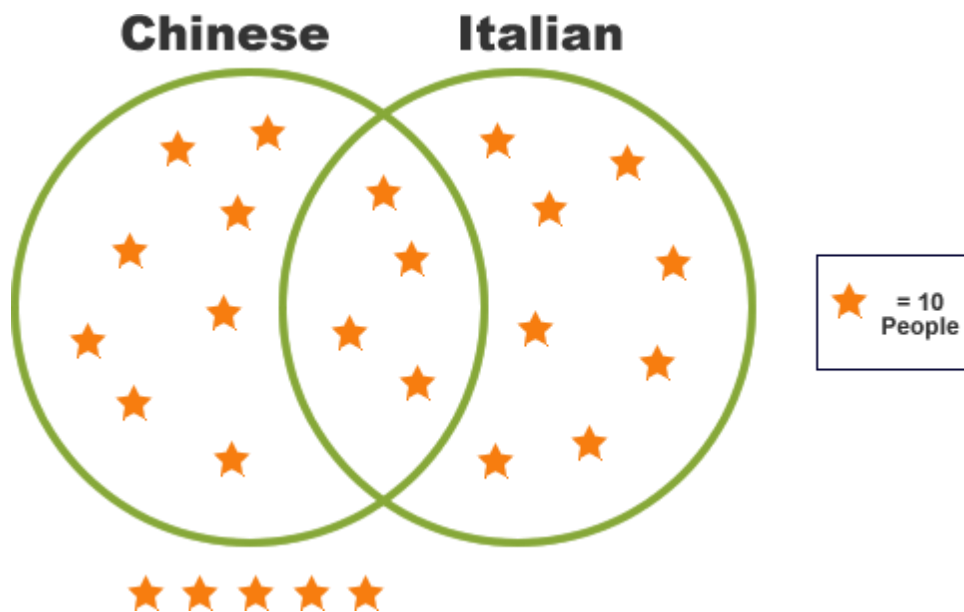
Distribution of Expenditure



What will be the percentage of expenditures on National Security of the total expenditures if the Government of France also tried to save money of \$6 Billion in that year by keeping all the other expenditures and sources of revenues the same?

- 30.37%
- 31.45%
- 32.89%
- 33.56%

Question: 13

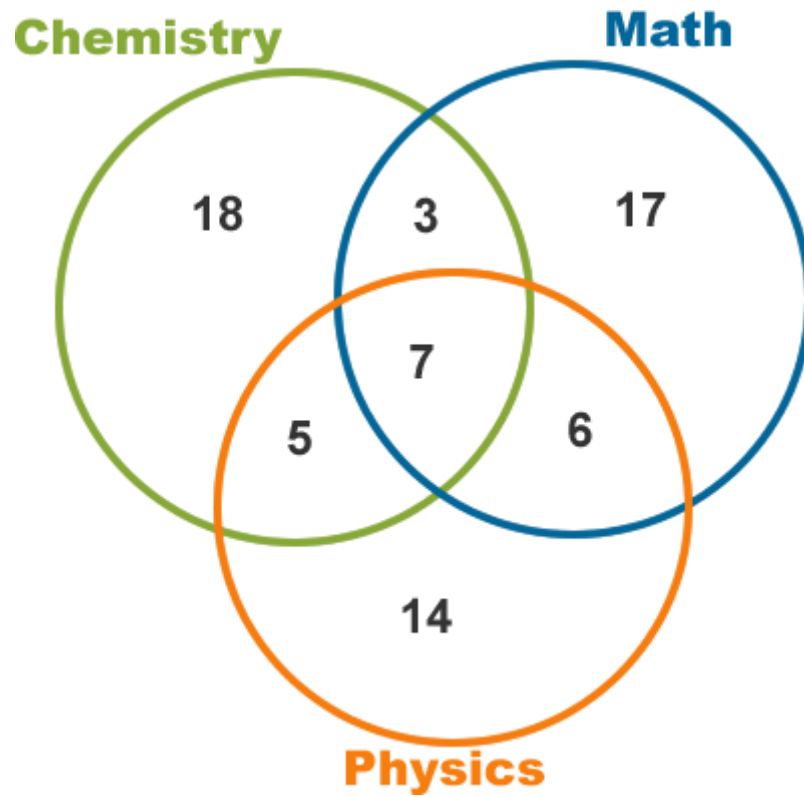


If you want to open a new restaurant, what will be your choice based on the behavior of people shown by the given data?

- Chinese
- Italian
- Either one
- Insufficient data

Question: 14

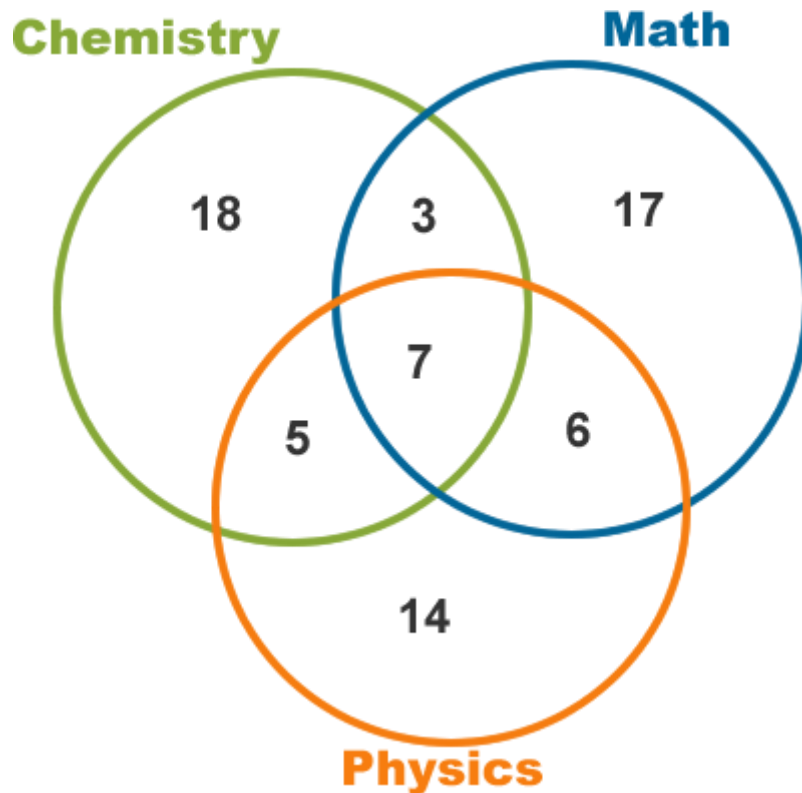
The following Venn-Diagram shows the number of students taking the classes of Physics, Chemistry and Math. Analyzing the figure shown, answer the following questions.



What is the probability that a student is taking two subjects?

- 0.30
- 0.25
- 0.35
- 0.40

Question: 15

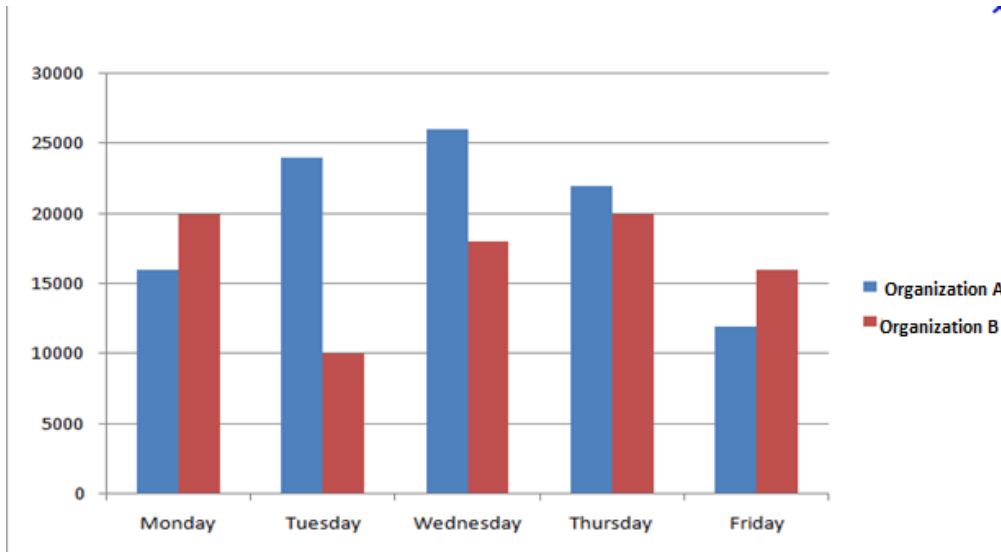


If we double the number of students in the category of Math keeping the same number of students in the other categories, what will be the effect on the probability of students taking Chemistry?

- Increases
- Decreases
- Remains Same
- Can't Be Determined

Question: 16

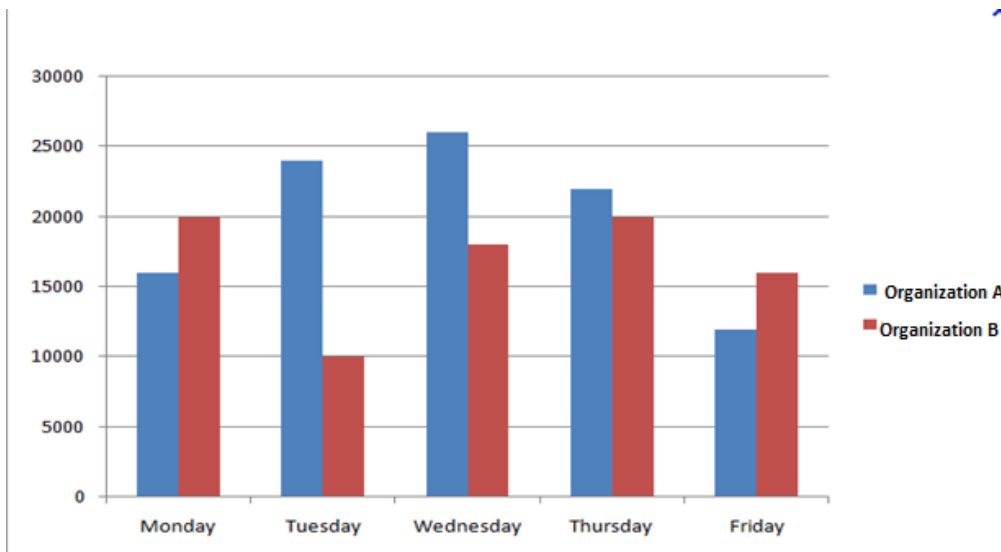
The following figure shows the day by day earnings of two different organizations (i.e., A and B) in a week. The vertical line is showing the amount earned in dollars and the horizontal line is showing the days of the week. Analyzing the graph shown below answer the questions given.



Throughout the week, _____ was more successful.

- Organization A
- Organization B

Question: 7



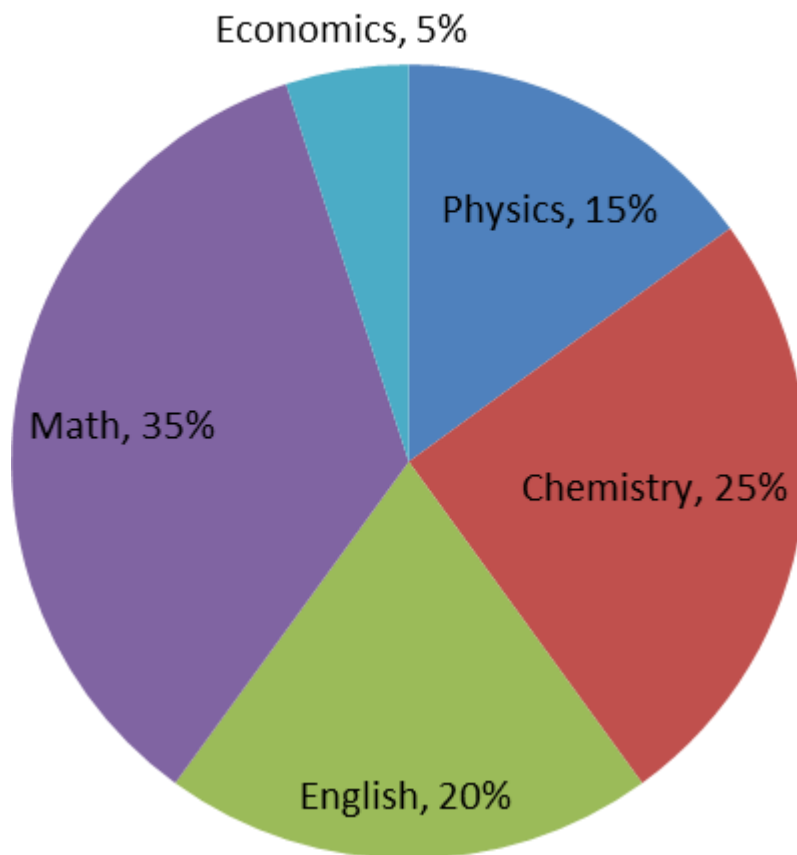
Considering the trends in days Monday, Tuesday and Friday, _____ was the lower earner?

- Organization A
- Organization B

Question: 17

The total marks of five different subjects of a Grade 8 student are 460. The total marks of each subject are given as the percentage of the total marks i.e. 460. The following chart is showing the percentage of marks of each subject. Analyze the chart below and answer the following questions.

Percent of Total



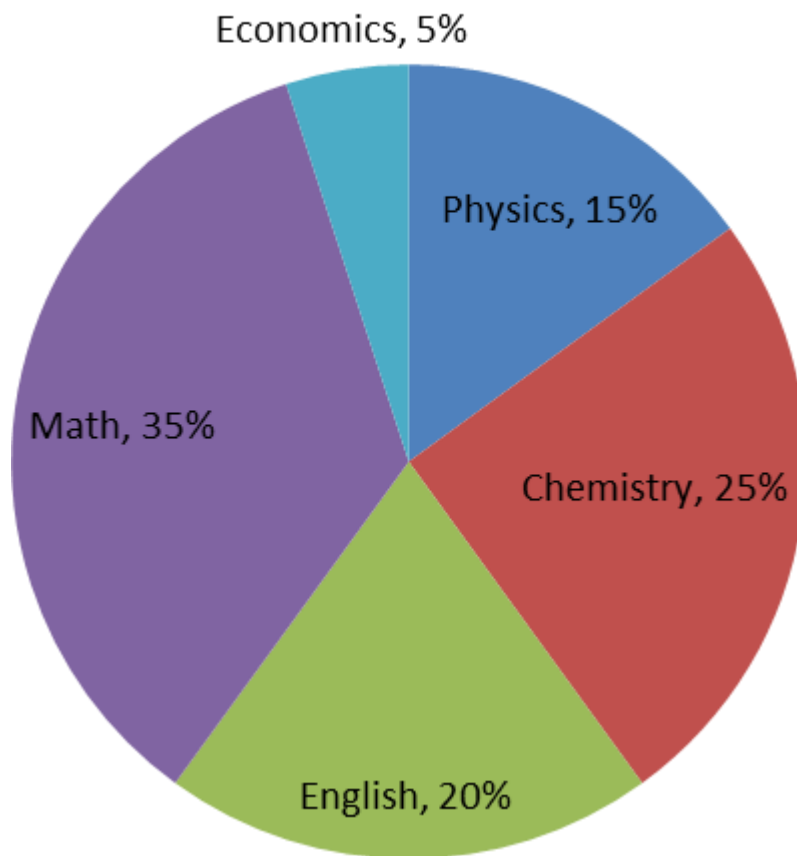
If 40 percent are the passing marks for the subject of Chemistry, then _____ marks are required by a student to pass Chemistry.

- 52

- 50
- 46
- 42
- 40

Question: 18

Percent of Total



A new subject is added to the curriculum of Grade 8 such that the weight of marks for Math, English and Economics remain the same but the marks for Chemistry and Physics are reduced by 23. What will the percentage of marks of the new subject be?

- 12%
- 10%

- 14%
- 8%
- 11%

Question: 19

National Account

	2010	2011	2012
GDP	-3.5	2.9	3.3
Private Consumption	-0.2	2.9	1.2
Fixed Investments	-7.7	15.6	16.7
Public Consumption	-3.2	-3.1	-2.8
Exports	1.1	6.2	0.5
Imports	3.9	7.6	-2.3
Output Gap	-7.6	-5.3	-4.2

Labor Market

	2010	2011	2012
Unemployment	8.0	9.0	9.2

Price and Wages

	2010	2011	2012
CPI (year-average)	5.4	2.5	1.6
Wages	4.8	3.8	4.2

External Balances

	2010	2011	2012
Trade Balance	7.8	11.2	9.2
Current Account	-7.9	-1.1	-2.5

The unemployment in Iceland has generally decreased over the years.

- Yes
- No

Question: 20

National Account

	2010	2011	2012
GDP	-3.5	2.9	3.3
Private Consumption	-0.2	2.9	1.2
Fixed Investments	-7.7	15.6	16.7
Public Consumption	-3.2	-3.1	-2.8
Exports	1.1	6.2	0.5
Imports	3.9	7.6	-2.3
Output Gap	-7.6	-5.3	-4.2

Labor Market

	2010	2011	2012
Unemployment	8.0	9.0	9.2

Price and Wages

	2010	2011	2012
CPI (year-average)	5.4	2.5	1.6
Wages	4.8	3.8	4.2

External Balances

	2010	2011	2012
Trade Balance	7.8	11.2	9.2

	2010	2011	2012
Current Account	-7.9	-1.1	-2.5

2012 highly affects the imports and exports of Iceland.

- Yes
- No