GMAT INTEGRATED REASONING PRACTICE PAPER

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

Public Consumption and Current Account have been improved over the years from 2010 to 2013.

Yes

No

Q: 2

The following table shows the United States Electricity Producers of the year 2009.

	Electric Producers	Public Utilities	Independents	Other Produce
Coal #1	149156	113180	34363	
Natural Gas #3	84098	32438	45150	
Nuclear	69435	36633	32801	
Hydroelectric	28866	26386	2291	
Other Renewables	10667	965	7424	
Wind	4957	620	4337	
Wood & Wood Derived #5	3027	145	782	
Petroleum Liquids #2	2092	1662	296	
Other Biomass #6	1420	101	1141	
Geothermal	1170	99	1071	
Petroleum Coke	1159	478	567	
Other Sources #8	958	48	553	
Other Gases #4	864	7	243	
Solar Thermal, Photovoltaic	94	2	92	
Hydro Pumped Storage	-226	-139	-87	
Total	**347069**	**211656**	**123690**	

Note: Click on the Table Columns to Sort (if necessary)

Independents producers in United States used the geothermal resources in the best way compared to other producers.

Yes

No

Q: 3

The following table shows the United States Electricity Producers of the year 2009.

	Electric Producers	Public Utilities	Independents	Other Produce
Coal #1	149156	113180	34363	
Natural Gas #3	84098	32438	45150	
Nuclear	69435	36633	32801	
Hydroelectric	28866	26386	2291	
Other Renewables	10667	965	7424	
Wind	4957	620	4337	
Wood & Wood Derived #5	3027	145	782	
Petroleum Liquids #2	2092	1662	296	
Other Biomass #6	1420	101	1141	
Geothermal	1170	99	1071	
Petroleum Coke	1159	478	567	
Other Sources #8	958	48	553	
Other Gases #4	864	7	243	
Solar Thermal, Photovoltaic	94	2	92	
Hydro Pumped Storage	-226	-139	-87	
Total	**347069**	**211656**	**123690**	

Note: Click on the Table Columns to Sort (if necessary)

Using the resources Natural Gas#3, Nuclear and Hydroelectric, the production capacity of Public Utilities is higher than that of Independent producers.

- Yes
- No

Q: 4:

The following table shows the United States Electricity Producers of the year 2009.

	Electric Producers	Public Utilities	Independents	Other Produce
Coal #1	149156	113180	34363	
Natural Gas #3	84098	32438	45150	
Nuclear	69435	36633	32801	
Hydroelectric	28866	26386	2291	
Other Renewables	10667	965	7424	
Wind	4957	620	4337	
Wood & Wood Derived #5	3027	145	782	
Petroleum Liquids #2	2092	1662	296	
Other Biomass #6	1420	101	1141	
Geothermal	1170	99	1071	
Petroleum Coke	1159	478	567	
Other Sources #8	958	48	553	
Other Gases #4	864	7	243	
Solar Thermal, Photovoltaic	94	2	92	
Hydro Pumped Storage	-226	-139	-87	
Total	**347069**	**211656**	**123690**	

Note: Click on the Table Columns to Sort (if necessary)

The capacity of Electricity produced by Electric Producers using Hydroelectric is greater than that of capacity of Electricity produced by Independents using a Nuclear source.

- Yes
- No

Q: 5

he following table shows the temperature in Celsius of different cities of Pakistan from Monday to Friday.

	Monday	Tuesday	Wednesday	Thursday
Islamabad	29	30	28	
Rawalpindi	32	34	30	
Karachi	28	29	27	
Multan	31	34	35	
Lahore	32	33	31	
Faisalabad	34	31	28	
Gujranwala	35	32	30	
Sheikhupura	33	29	32	
Sialkot	32	30	29	
Murree	16	19	20	
Quetta	14	15	13	
Peshawar	34	32	33	

Note: Click on the Table Columns to Sort (if necessary)

The temperatures of Multan and Sialkot keeps on increasing with the subsequent days from Monday to Friday.

- Yes
- No

Q: 6

The following table shows the temperature in Celsius of different cities of Pakistan from Monday to Friday.

	Monday	Tuesday	Wednesday	Thursday
Islamabad	29	30	28	
Rawalpindi	32	34	30	
Karachi	28	29	27	
Multan	31	34	35	
Lahore	32	33	31	
Faisalabad	34	31	28	
Gujranwala	35	32	30	
Sheikhupura	33	29	32	
Sialkot	32	30	29	
Murree	16	19	20	
Quetta	14	15	13	
Peshawar	34	32	33	

Note: Click on the Table Columns to Sort (if necessary)

Quetta is the coolest city compared to other cities mentioned in the table throughout the week.

- Yes
- No

Q: 7

The following table shows the temperature in Celsius of different cities of Pakistan from Monday to Friday.

	Monday	Tuesday	Wednesday	Thursday
Islamabad	29	30	28	
Rawalpindi	32	34	30	
Karachi	28	29	27	
Multan	31	34	35	
Lahore	32	33	31	

	Monday	Tuesday	Wednesday	Thursday
Faisalabad	34	31	28	
Gujranwala	35	32	30	
Sheikhupura	33	29	32	
Sialkot	32	30	29	
Murree	16	19	20	
Quetta	14	15	13	
Peshawar	34	32	33	

Note: Click on the Table Columns to Sort (if necessary)

Monday is a hotter day in all the cities as compared to Wednesday except Multan.

- Yes
- No

Q: 8

The following table shows the results of different countries in the Olympics Games in 2000 and 2002. Analyzing the table, answer the following questions.

Country	Bronze 2000	Bronze 2002	Silver 2000	Silver 2002	Gold 2000	Gold 2002
Japan	17	24	25	15	10	14
Canada	19	15	15	30	15	11
China	30	32	30	29	9	16
America	24	29	17	22	17	15
Spain	19	16	27	19	13	17
Australia	35	31	19	22	16	19
Finland	15	20	26	23	10	14
France	26	21	22	28	24	19
Sweden	22	25	20	23	19	18
Greece	19	20	13	19	14	21

Country	Bronze 2000	Bronze 2002	Silver 2000	Silver 2002	Gold 2000	Gold 2002
Belgium	30	33	14	10	12	14
Korea	25	29	16	17	21	25
Brazil	21	25	19	20	24	20
Kenya	16	24	29	21	17	19
Italy	18	25	31	27	18	19

Note: Click on the Table Columns to Sort (if necessary)

The countries that got less than 20 Gold medals in 2000 also got less than 20 Gold medals in 2002.

- Yes
- No

Q: 9

The following table shows the results of different countries in the Olympics Games in 2000 and 2002. Analyzing the table, answer the following questions.

Country	Bronze 2000	Bronze 2002	Silver 2000	Silver 2002	Gold 2000	Gold 2002
Japan	17	24	25	15	10	14
Canada	19	15	15	30	15	11
China	30	32	30	29	9	16
America	24	29	17	22	17	15
Spain	19	16	27	19	13	17
Australia	35	31	19	22	16	19
Finland	15	20	26	23	10	14
France	26	21	22	28	24	19
Sweden	22	25	20	23	19	18
Greece	19	20	13	19	14	21

Country	Bronze 2000	Bronze 2002	Silver 2000	Silver 2002	Gold 2000	Gold 2002
Belgium	30	33	14	10	12	14
Korea	25	29	16	17	21	25
Brazil	21	25	19	20	24	20
Kenya	16	24	29	21	17	19
Italy	18	25	31	27	18	19

Note: Click on the Table Columns to Sort (if necessary)

All the countries except France and Spain show the advancement in the total number of medals won from 2000 to 2002.

- Yes
- No

Q: 10

The following table shows the results of different countries in the Olympics Games in 2000 and 2002. Analyzing the table, answer the following questions.

Country	Bronze 2000	Bronze 2002	Silver 2000	Silver 2002	Gold 2000	Gold 2002
Japan	17	24	25	15	10	14
Canada	19	15	15	30	15	11
China	30	32	30	29	9	16
America	24	29	17	22	17	15
Spain	19	16	27	19	13	17
Australia	35	31	19	22	16	19
Finland	15	20	26	23	10	14
France	26	21	22	28	24	19
Sweden	22	25	20	23	19	18
Greece	19	20	13	19	14	21

Country	Bronze 2000	Bronze 2002	Silver 2000	Silver 2002	Gold 2000	Gold 2002
Belgium	30	33	14	10	12	14
Korea	25	29	16	17	21	25
Brazil	21	25	19	20	24	20
Kenya	16	24	29	21	17	19
Italy	18	25	31	27	18	19

Note: Click on the Table Columns to Sort (if necessary)

All the countries who won greater than 20 Bronze Medals in 2000, also won greater than 20 Bronze medals in 2002 too.

- Yes
- No

Q: 11

The following table shows the sales of different shops of different locations in the United States and the names of the buyers of different items. Analyze the table and answer the following questions.

Location	Buyer	Item	Units	Cost Per Unit ($)
New York	Stewart	Geometry Box	70	
California	Smith	Pencil	48	
Hollywood	Kristen	Pen Set	32	
Los Angeles	Jones	Binder	52	
New York	Stewart	Binder	31	
Los Angeles	Jones	Geometry Box	62	
New York	Maria	Binder	30	
California	Smith	Pencil Set	45	
Hollywood	Kristen	Pencil	90	
Los Angeles	Jones	Pen Set	65	

Location	Buyer	Item	Units	Cost Per Unit ($)
New York	Stewart	Pencil Set	58	
Arkansas	Andrews	Pencil	60	
New Jersey	Howard	Pen	72	

Note: Click on the Table Columns to Sort (if necessary)

Jones and Stewart bought different kinds of items in different locations.

- Yes
- No

Q: 12

Location	Buyer	Item	Units	Cost Per Unit ($)
New York	Stewart	Geometry Box	70	
California	Smith	Pencil	48	
Hollywood	Kristen	Pen Set	32	
Los Angeles	Jones	Binder	52	
New York	Stewart	Binder	31	
Los Angeles	Jones	Geometry Box	62	
New York	Maria	Binder	30	
California	Smith	Pencil Set	45	
Hollywood	Kristen	Pencil	90	
Los Angeles	Jones	Pen Set	65	
New York	Stewart	Pencil Set	58	
Arkansas	Andrews	Pencil	60	
New Jersey	Howard	Pen	72	

Note: Click on the Table Columns to Sort (if necessary)

If there is a discount of 10% for buying the items worth above $1050 then Jones and Stewart both got the discount.

- Yes
- No

Q: 13

Location	Buyer	Item	Units	Cost Per Unit ($)
New York	Stewart	Geometry Box	70	
California	Smith	Pencil	48	
Hollywood	Kristen	Pen Set	32	
Los Angeles	Jones	Binder	52	
New York	Stewart	Binder	31	
Los Angeles	Jones	Geometry Box	62	
New York	Maria	Binder	30	
California	Smith	Pencil Set	45	
Hollywood	Kristen	Pencil	90	
Los Angeles	Jones	Pen Set	65	
New York	Stewart	Pencil Set	58	
Arkansas	Andrews	Pencil	60	
New Jersey	Howard	Pen	72	

Note: Click on the Table Columns to Sort (if necessary)

Kristen bought the most pencils.

- Yes
- No

Q: 14

Two cities 1 and 2 currently have population 12 million and 15 million respectively. The population of city 1 increases at a constant rate of x number of persons per year and the population of city 2 also increases at a different constant rate of y number of persons per year. After five years, the population of both the cities is estimated to become equal. What should be the values of rates x and y to meet the given condition?

City 1	City 2	Rate of in
A	G	1.3 mi
B	H	1.7 mi
C	I	0.7 mi
D	J	0.6 mi
E	K	0.3 mi
F	L	0.2 mi

Select one response for City 1 (A-F) **and** one response for City 2 (G-L)

- A - 1.3 Million
- B - 1.7 Million
- C - 0.7 Million
- D - 0.6 Million

- E - 0.3 Million
- F - 0.2 Million
- G - 1.3 Million
- H - 1.7 Million
- I - 0.7 Million
- J - 0.6 Million
- K - 0.3 Million
- L - 0.2 Million

Q: 15

There are two cars 1 and 2. Car 1 has a maximum speed of 120 km/h consuming 12 liters fuel in one hour at maximum speed and car 2 has a maximum speed of 100 km/h consuming 8 liters fuel in one hour at maximum speed. Both the cars are 960 km away from each other. These cars must reach at a point in 6 hours by running towards each other. We have a limit of availability of fuel for both cars. The available amount of fuel is 84 liters. How many hours will both the cars run to meet a point in 6 hours by consuming the limited amount of 84 liters of fuel.

Car 1	Car 2	Number o
A	F	6
B	G	5
C	H	4
D	I	3
E	J	2

Select one response for Car 1 (A-E) **and** one response for Car 2 (F-J)

- [ ] A - 6 Hours
- [ ] B - 5 Hours
- [ ] C - 4 Hours
- [ ] D - 3 Hours
- [ ] E - 2 Hours
- [ ] F - 6 Hours
- [ ] G - 5 Hours
- [ ] H - 4 Hours
- [ ] I - 3 Hours
- [ ] J - 2 Hours

Q: 16

A person requires 52 bikes in 4 months with a budget of $25,440. He has taken offers from two companies 1 and 2. Company 1 can provide him with 8 bikes per month at the rate of $500 per bike. Company 2 can provide him with 7 bikes per month at the rate of $480 per bike. If the person utilizes both the offers to get 50 bikes in his budget, what will be the number of bikes that he will buy from both companies?

Company 1	Company 2	Number o
A	G	20
B	H	24
C	I	28
D	J	32
E	K	36
F	L	40

Select one response for Company 1 (A-F) **and** one response for Company 2 (G-L)

- A - 20 Bikes
- B - 24 Bikes
- C - 28 Bikes
- D - 32 Bikes

- E - 36 Bikes
- F - 40 Bikes
- G - 20 Bikes
- H - 24 Bikes
- I - 28 Bikes
- J - 32 Bikes
- K - 36 Bikes
- L - 40 Bikes

Q: 17

Two companies X and Y have the current number of employees as 80 and 110 respectively. Both the companies are increasing the number of employees after every three months at a constant rate. After 15 months, the number of employees of both companies becomes the same. What will be the rate of increase of the companies X and Y?

Company X	Company Y	Rate of incre three mo
A	G	3
B	H	4
C	I	5
D	J	7
E	K	9
F	L	12

Select one response for Company X (A-F) **and** one response for Company Y (G-L)

- A - 3 Months
- B - 4 Months
- C - 5 Months
- D - 7 Months
- E - 9 Months
- F - 12 Months
- G - 3 Months
- H - 4 Months

- I - 5 months
- J - 7 Months
- K - 9 Months
- L - 12 Months

Q: 18

The demand of a product A increases at the same rate per year as the income of the person decreases. If the income of the person was I in 2008 and changes to (I^2-2I)/4I in 2009. At the same rate, what will be the demand of product in terms of I and D if the demand in 2008 is D and what will be the rate of change of income of the person?

Demand D	Rate of change of Income	
A	G	$\frac{3I+2}{4}$
B	H	$\frac{-3I-2}{4}$
C	I	$\frac{4D-3I-2}{4}$
D	J	$\frac{7D+6I+2}{4}$
E	K	$\frac{4D+3I+2}{4}$
F	L	$\frac{4D+5I-6}{4}$

Select one response for Demand (A-F) **and** one response for Rate of Change of Income (G-L)

- A
- B

- [ ] C
- [ ] D
- [ ] E
- [ ] F
- [ ] G
- [ ] H
- [ ] I
- [ ] J
- [ ] K
- [ ] L

Q: 19

Introduction | Email from Boss | Email from Product Manufacturing Manager

Electronics Board designing Company has the policy that if for two successive months the production efficiency of Product Manager is less than 80% (The efficiency corresponds to faults other than machinery faults) then the Product Manufacturing Manager is fired. In the month of June, the Product Manufacturing Manager had the production efficiency of 78% (lot of boards were wasted). In the month of July there was a problem in the manufacturing machine.

Consider the following statement. Does the information presented in the three tabs support the inference as stated?

The total probability of wasted boards in July was 0.3.

- ○ Yes
- ○ No

Introduction | Email from Boss | Email from Product Manufacturing Manager

Email from Boss to Product Manufacturing Manager

It has come into my notice that our production of circuit boards has been reduced in the last month (July). We always maintain above 85% efficiency in the production and manufacturing of the circuit boards but last month progress is not good for our Company. Send me the progress report of last month (July) and the reason for decline in efficiency of product.

Consider the following statement. Does the information presented in the three tabs support the inference as stated?

The total probability of wasted boards in July was 0.3.

- ○ Yes
- ○ No

Introduction | Email from Boss | Email from Product Manufacturing Manager

Email from Product Manufacturing Manager to Boss

Sir, in the last month (July) we produced 1000 circuit boards, as we do every month. Out of which the manufacturing machine wrongly produced (wasted) 300 boards and 210 were wasted due to bad work. There was a fault in the machine mechanical part such that it was not routing the circuit boards well so that's why 300 circuit boards were wasted. But in this current month (August) I have noticed the fault in the machine and I got it right now. Hopefully this will not happen again.

Consider the following statement. Does the information presented in the three tabs support the inference as stated?

The total probability of wasted boards in July was 0.3.

- ○ Yes
- ○ No

Q: 20

Introduction | Email from Boss | Email from Product Manufacturing Manager

Electronics Board designing Company has the policy that if for two successive months the production efficiency of Product Manager is less than 80% (The efficiency corresponds to faults other than machinery faults) then the Product Manufacturing Manager is fired. In the month of June, the Product Manufacturing Manager had the production efficiency of 78% (lot of boards were wasted). In the month of July there was a problem in the manufacturing machine.

Consider the following statement. Does the information presented in the three tabs support the inference as stated?

The efficiency of the Product Manufacturing Manager in July was 70%.

- ○ Yes
- ○ No

Introduction | Email from Boss | Email from Product Manufacturing Manager

Email from Boss to Product Manufacturing Manager

It has come into my notice that our production of circuit boards has been reduced in the last month (July). We always maintain above 85% efficiency in the production and manufacturing of the circuit boards but last month progress is not good for our Company. Send me the progress report of last month (July) and the reason for decline in efficiency of product.

Consider the following statement. Does the information presented in the three tabs support the inference as stated?

The efficiency of the Product Manufacturing Manager in July was 70%.

- ○ Yes
- ○ No

Introduction | Email from Boss | Email from Product Manufacturing Manager

Email from Product Manufacturing Manager to Boss

Sir, in the last month (July) we produced 1000 circuit boards, as we do every month. Out of which the manufacturing machine wrongly produced (wasted) 300 boards and 210 were wasted due to bad work. There was a fault in the machine mechanical part such that it was not routing the circuit boards well so that's why 300 circuit boards were wasted. But in this current month (August) I have noticed the fault in the machine and I got it right now. Hopefully this will not happen again.

Consider the following statement. Does the information presented in the three tabs support the inference as stated?

The efficiency of the Product Manufacturing Manager in July was 70%.

- ○ Yes
- ○ No