

GMAT IR Practice Paper 18

Question 1

The following table shows stock quotations for 20 companies at the end of a particular trading day in 2018. The table contains the following information:

- 52-Wk High, the highest price at which a stock has traded over the previous 52 weeks
- 52-Wk Low, the lowest price at which a stock has traded over the previous 52 weeks
- Stock, the name of the company
- Volume (100s), the total number of 100 shares traded that day
- High, the highest price of the stock for the day
- Low, the lowest price of the stock for the day
- Close, the last recorded price of the day when the market closed
- Net Change, the difference between the closing prices of the day and the previous trading day.

52-Wk High	52-Wk Low	Stock	Volume (100s)	High	Low	Close	Net Change
164.50	107.62	Company A	6,221	154.75	152.60	154.63	1.84
72.62	36.45	Company B	2,315	56.45	56.45	56.45	0.83
27.62	20.00	Company C	154	24.32	23.75	24.05	-0.56
16.25	8.25	Company D	11,872	9.78	8.94	9.05	-0.09
119.25	89.00	Company E	3,475	101.75	99.78	100.25	1.77
22.12	15.25	Company F	4,289	18.23	18.20	18.23	0.86
53.70	41.00	Company G	329	42.79	39.65	39.65	0.05
96.78	35.12	Company H	2,186	88.41	85.38	86.75	1.29
52.24	38.27	Company I	25	50.27	50.00	50.00	0.67
46.50	25.43	Company J	308	25.59	24.75	24.75	0.05
51.86	30.76	Company K	1,097	32.99	30.23	32.55	-0.02
33.18	17.91	Company L	2,086	20.24	20.24	20.24	0.23
220.37	124.30	Company M	2,290	186.15	184.74	186.15	-1.45
136.09	80.39	Company N	9,875	96.94	96.91	96.93	2.00
127.56	101.20	Company O	380	109.67	107.73	108.90	1.01
4.26	2.50	Company P	10,764	3.25	3.21	3.21	0.03
98.73	41.78	Company Q	2,712	61.48	61.45	61.45	3.35
83.00	42.65	Company R	3,612	55.27	55.20	55.27	0.02
88.95	74.67	Company S	1,087	79.65	78.54	78.52	1.15
187.95	122.34	Company T	2,877	180.69	178.52	179.45	0.32

Sorted by Stock

(Column 3)

52-Wk High	52-Wk Low	Stock	Volume (100s)	High	Low	Close	Net Change
52.24	38.27	Company I	25	50.27	50.00	50.00	0.67
27.62	20.00	Company C	154	24.32	23.75	24.05	-0.56
46.50	25.43	Company J	308	25.59	24.75	24.75	0.05
53.70	41.00	Company G	329	42.79	39.65	39.65	0.05
127.56	101.20	Company O	380	109.67	107.73	108.90	1.01
88.95	74.67	Company S	1,087	79.65	78.54	78.52	1.15
51.86	30.76	Company K	1,097	32.99	30.23	32.55	-0.02
33.18	17.91	Company L	2,086	20.24	20.24	20.24	0.23
96.78	35.12	Company H	2,186	88.41	85.38	86.75	1.29
220.37	124.30	Company M	2,290	186.15	184.74	186.15	-1.45
72.62	36.45	Company B	2,315	56.45	56.45	56.45	0.83
98.73	41.78	Company Q	2,712	61.48	61.45	61.45	3.35
187.95	122.34	Company T	2,877	180.69	178.52	179.45	0.32
119.25	89.00	Company E	3,475	101.75	99.78	100.25	1.77
83.00	42.65	Company R	3,612	55.27	55.20	55.27	0.02
22.12	15.25	Company F	4,289	18.23	18.20	18.23	0.86
164.50	107.62	Company A	6,221	154.75	152.60	154.63	1.84
136.09	80.39	Company N	9,875	96.94	96.91	96.93	2.00
4.26	2.50	Company P	10,764	3.25	3.21	3.21	0.03
16.25	8.25	Company D	11,872	9.78	8.94	9.05	-0.09

Sorted by Volume

(Column 4)

52-Wk High	52-Wk Low	Stock	Volume (100s)	High	Low	Close	Net Change
4.26	2.50	Company P	10,764	3.25	3.21	3.21	0.03
16.25	8.25	Company D	11,872	9.78	8.94	9.05	-0.09
22.12	15.25	Company F	4,289	18.23	18.20	18.23	0.86
33.18	17.91	Company L	2,086	20.24	20.24	20.24	0.23
27.62	20.00	Company C	154	24.32	23.75	24.05	-0.56
46.50	25.43	Company J	308	25.59	24.75	24.75	0.05
51.86	30.76	Company K	1,097	32.99	30.23	32.55	-0.02
53.70	41.00	Company G	329	42.79	39.65	39.65	0.05
52.24	38.27	Company I	25	50.27	50.00	50.00	0.67
83.00	42.65	Company R	3,612	55.27	55.20	55.27	0.02
72.62	36.45	Company B	2,315	56.45	56.45	56.45	0.83
98.73	41.78	Company Q	2,712	61.48	61.45	61.45	3.35
88.95	74.67	Company S	1,087	79.65	78.54	78.52	1.15
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119.25	89.00	Company E	3,475	101.75	99.78	100.25	1.77
127.56	101.20	Company O	380	109.67	107.73	108.90	1.01
164.50	107.62	Company A	6,221	154.75	152.60	154.63	1.84
187.95	122.34	Company T	2,877	180.69	178.52	179.45	0.32
220.37	124.30	Company M	2,290	186.15	184.74	186.15	-1.45

Sorted by Close

(Column 7)

Each of the following options consists of a stock and a quote category. For each option, select Less than median if, based on the information in the table, the value of the stock's quote is less than the median of the 20 stocks for that quote category on this day. Otherwise, select Greater than or equal to median.

	Less than median	Greater than or equal to median	
1.1	(A)	(B)	Company B, Volume (100s)
1.2	(A)	(B)	Company G, Close
1.3	(A)	(B)	Company L, Net Change

Question 2

Sort by Select...

Product			Unit Sales		Dollar Sales		Price	
Brand	Type	Fragrance	Units	% Change	Dollars	% Change	Average Price	\$ Change
Clean It!	Spray	Orange	4,768,920	7.1%	\$ 14,163,890.00	3.6%	\$ 2.97	\$ -0.10
Clean It!	Aerosol	Orange	6,695,580	3.9%	\$ 21,693,610.00	14.8%	\$ 3.24	\$ 0.31
Deluxe	Powder	Lemon	525,040	-16.7%	\$ 1,627,620.00	-23.8%	\$ 3.10	\$ -0.29
Deluxe	Aerosol	Orange	4,934,800	2.9%	\$ 12,879,300.00	21.5%	\$ 2.61	\$ 0.40
Deluxe	Spray	Orange	4,432,700	0.9%	\$ 16,223,680.00	16.4%	\$ 3.66	\$ 0.49
Dirt Blaster	Aerosol	Orange	2,440,870	6.9%	\$ 7,151,740.00	-7.3%	\$ 2.93	\$ -0.45
Dirt Blaster	Spray	Orange	2,179,130	6.0%	\$ 6,101,560.00	14.1%	\$ 2.80	\$ 0.20
Incredible	Spray	Lemon	147,470	-18.3%	\$ 427,660.00	-24.7%	\$ 2.90	\$ -0.25
Incredible	Aerosol	Unscented	3,654,370	-11.1%	\$ 11,547,800.00	-1.4%	\$ 3.16	\$ 0.31
Magic Clean	Aerosol	Lemon	1,569,200	-4.0%	\$ 4,613,440.00	9.3%	\$ 2.94	\$ 0.36
Magic Clean	Spray	Unscented	6,673,490	-1.3%	\$ 27,494,770.00	8.4%	\$ 4.12	\$ 0.37
Mrs. Grime	Aerosol	Lemon	5,208,300	-4.1%	\$ 22,395,690.00	4.6%	\$ 4.30	\$ 0.36
Mrs. Grime	Spray	Unscented	4,242,520	-2.5%	\$ 13,109,380.00	3.8%	\$ 3.09	\$ 0.19
Super Clean	Spray	Fresh	8,674,230	10.8%	\$ 33,482,620.00	23.2%	\$ 3.86	\$ 0.39
Super Clean	Aerosol	Fresh	1,248,640	8.2%	\$ 5,406,610.00	6.9%	\$ 4.33	\$ -0.05
Tornado	Spray	Fresh	1,694,650	4.4%	\$ 6,575,240.00	15.0%	\$ 3.88	\$ 0.36
Tornado	Aerosol	Unscented	1,537,820	-7.9%	\$ 5,274,720.00	-1.5%	\$ 3.43	\$ 0.22
Ultra Shine	Aerosol	Fresh	5,010,090	3.1%	\$ 15,431,070.00	12.2%	\$ 3.08	\$ 0.25
Ultra Shine	Spray	Fresh	2,235,370	2.1%	\$ 7,019,060.00	1.7%	\$ 3.14	\$ -0.01
Ultra Shine	Powder	Lemon	8,661,260	3.3%	\$ 34,558,420.00	12.0%	\$ 3.99	\$ 0.31

The table above gives sale information for the 20 bathroom cleaners in the United States in 2010. For each product, the table describes the brand of the product, the product type, fragrance, unit sales, percent change in unit sales since 2009, total dollar sales, percent change in dollar sales since 2009, average price of each unit sold, and the dollar change in price since 2009.

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.

Consider each of the following statements about these sales figures. For each statement, indicated whether the statement is true or false, based on the information provided in the table.

True False

- The product with the highest unit sales in 2010 also had the highest dollar increase in price since 2009.
- Every orange scented product experienced growth in unit sales from 2009 to 2010.
- No product experienced growth in dollar sales but a decline in unit sales from 2009 to 2010.
- The highest-priced product in 2010 was also the highest-priced product in 2009.

Submit Answers

Question 3

The Quasi JX is a new car model. Under ideal driving conditions, the Quasi JX's fuel economy is E kilometers per liter ($E \frac{\text{km}}{\text{L}}$) when its driving speed is constant at S kilometers per hour ($S \frac{\text{km}}{\text{h}}$).

In terms of the variables S and E , select the expression that represents the number of liters of fuel used in 1 hour of driving under ideal driving conditions at a constant speed S , and select the expression that represents the number of liters of fuel used in a 60 km drive under ideal driving conditions at a constant speed S . Make only two selections, one in each column.

Liters of fuel in 1 h	Liters of fuel in 60 km	
<input type="radio"/>	<input type="radio"/>	$\frac{S}{E}$
<input type="radio"/>	<input type="radio"/>	$\frac{E}{S}$
<input type="radio"/>	<input type="radio"/>	$\frac{60}{E}$
<input type="radio"/>	<input type="radio"/>	$\frac{60}{S}$
<input type="radio"/>	<input type="radio"/>	$\frac{S}{60}$
<input type="radio"/>	<input type="radio"/>	$\frac{E}{60}$

Question 4

The following excerpt from a fictitious science news report discusses a fictitious type of location called a *morefa*.

For zoologists studying the behavior of certain species of birds, the critical importance of observing the birds in those species' morefa during the annual breeding season is obvious. Such observation allows researchers to study not only the courtship displays of many different individuals within a species, but also the species' social hierarchy. Moreover, since some species repeatedly return to the same morefa, researchers can study changes in group dynamics from year to year. The value of observing a morefa when the birds are not present, however—such as prior to their arrival or after they have abandoned the area to establish their nests—is only now becoming apparent.

Based on the definition of the imaginary word *morefa* that can be inferred from the previous paragraph, which of the following activities of a bird species must happen in a location for that location to be the species' morefa, and which must NOT happen in a location for that location to be the species' morefa? Make only two selections, one in each column.

Must happen in the location	Must not happen in the location	Activities of the members of the species
<input type="radio"/>	<input type="radio"/>	Sleeping
<input type="radio"/>	<input type="radio"/>	Occupying the location multiple times
<input type="radio"/>	<input type="radio"/>	Establishing nests
<input type="radio"/>	<input type="radio"/>	Gathering together with members of their own species
<input type="radio"/>	<input type="radio"/>	Territorial competition with members of different species

Question 5

3. The table below displays data from the different divisions of Company X in 2011. Market shares are computed by dividing Company X's total sales (in dollars) for that division by the total sales (in dollars) made by all companies selling products in that category. Market shares are separately calculated for the world (global market share) and for the United States (U.S. market share). Ranks are calculated relative to all companies competing in a particular market.

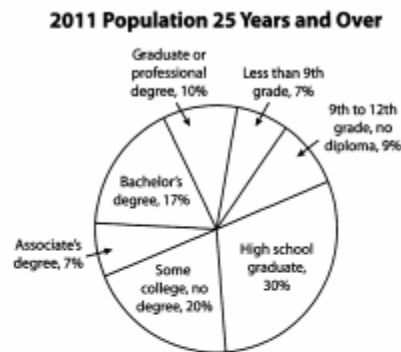
Division	Global Market Share	Global Market Rank	Total U.S. Market Share	U.S. Market Rank
Agriculture & Food	8%	6	12%	4
Healthcare & Medical	12%	4	18%	2
Household Goods & Personal Care	5%	5	10%	4
Performance Plastics	30%	1	26%	1
Water & Process Solutions	19%	1	32%	1

Select Yes if the statement can be proven true by the evidence provided. Otherwise, select No.

Yes	No	
<input type="radio"/>	<input type="radio"/>	There is at least one other country in which Company X has a greater percentage of the performance plastics market, as a percentage of 2011 sales, than it has of the performance plastics market in the U.S.

Question 6

4. Consider the graph below:



The percent of the population aged 25 Years and over that did NOT have a bachelor's, graduate, or professional degree is

- 7%
- 16%
- 27%
- 59%
- 73%

Question 7

Sort by:

Item	Annual Revenue Contribution	Revenue Ranking	Annual Profit Margin %	Profitability Ranking
Bananas	\$3,421	3	11.9%	2
Cantaloupe	\$1,945	14	10.5%	5
Grapes	\$3,835	1	12.2%	1
Lettuce	\$2,966	5	11.1%	3
Tomatoes	\$3,152	4	10.7%	4
Potatoes	\$2,578	10	9.9%	15
Zucchini	\$984	27	10.4%	6

Question 8

1. For each of the following statements, select Yes if the statement is supported by the evidence provided. Otherwise, select No.

- | | | |
|-----------------------|-----------------------|--|
| Yes | No | |
| <input type="radio"/> | <input type="radio"/> | With a construction budget of \$30 million, the Storinian government will be able to search for a proof of an explanation of charge quantization and to help resolve a controversy by measuring the speed of neutrinos produced in nuclear reactors. |
| <input type="radio"/> | <input type="radio"/> | In its Antarctic experiments, the Storinian government will attempt to ascertain the mass and speed of cosmic rays and to confirm the composition of magnetic monopoles. |
| <input type="radio"/> | <input type="radio"/> | If the PEN-NO experiment is kept in operation on the surface of the ice in Antarctica, its findings will be considered more valid than those produced by the experiment as currently envisioned. |

Question 9

2. According to the information provided, the proposed measurement of which of the following kinds of particles is intended to improve the quality of estimation of the mass of these particles?

- (A) Ultra-high energy cosmic rays
- (B) Particles created by UHECRs above the earth
- (C) Neutrinos produced in nuclear reactors
- (D) Neutrinos that originate in the sun
- (E) Magnetic monopoles

Question 10

3. For each of the following particle types, select Can Conclude if you can conclude from the information provided that the particles in question have a minimal effect on ordinary matter. Otherwise, select Cannot Conclude.

- | | | |
|-----------------------|-----------------------|---|
| Can Conclude | Cannot Conclude | |
| <input type="radio"/> | <input type="radio"/> | Ultra-high-energy cosmic ray |
| <input type="radio"/> | <input type="radio"/> | Neutrinos produced in particle accelerators |
| <input type="radio"/> | <input type="radio"/> | Magnetic monopole |

Question 11

5. Worker: "How can I possibly get these TPS reports done by 2pm?"

Co-worker: "Would it make sense to bring someone else in on the process at this late stage?"

	Worker	Co-worker
Facts		
Wants		
Emotions		

Question 12

6. Potential vendor: "What else can we do to win your business?"

Buyer: "What are you implying?"

	Vendor	Buyer
Facts		
Wants		
Emotions		

Question 13

7. Mining company executive: "Isn't it possible that the groundwater pollution stems from natural causes?"

Local mayor: "Can you show me the results of the groundwater testing that was legally supposed to be performed this year?"

	Executive	Mayor
Facts		
Wants		
Emotions		

Question 14

The Quasi JX is a new car model. Under ideal driving conditions, the Quasi JX's fuel economy is E kilometers per liter ($E \frac{\text{km}}{\text{L}}$) when its driving speed is constant at S kilometers per hour ($S \frac{\text{km}}{\text{h}}$).

In terms of the variables S and E , select the expression that represents the number of liters of fuel used in 1 hour of driving under ideal driving conditions at a constant speed S , and select the expression that represents the number of liters of fuel used in a 60 km drive under ideal driving conditions at a constant speed S . Make only two selections, one in each column.

Liters of fuel in 1 h	Liters of fuel in 60 km	
<input type="radio"/>	<input type="radio"/>	$\frac{S}{E}$
<input type="radio"/>	<input type="radio"/>	$\frac{E}{S}$
<input type="radio"/>	<input type="radio"/>	$\frac{60}{E}$
<input type="radio"/>	<input type="radio"/>	$\frac{60}{S}$
<input type="radio"/>	<input type="radio"/>	$\frac{S}{60}$
<input type="radio"/>	<input type="radio"/>	$\frac{E}{60}$

Question 15

The following excerpt from a fictitious science news report discusses a fictitious type of location called a *morefa*.

For zoologists studying the behavior of certain species of birds, the critical importance of observing the birds in those species' morefa during the annual breeding season is obvious. Such observation allows researchers to study not only the courtship displays of many different individuals within a species, but also the species' social hierarchy. Moreover, since some species repeatedly return to the same morefa, researchers can study changes in group dynamics from year to year. The value of observing a morefa when the birds are not present, however—such as prior to their arrival or after they have abandoned the area to establish their nests—is only now becoming apparent.

Based on the definition of the imaginary word *morefa* that can be inferred from the previous paragraph, which of the following activities of a bird species must happen in a location for that location to be the species' morefa, and which must NOT happen in a location for that location to be the species' morefa? Make only two selections, one in each column.

Must happen in the location	Must not happen in the location	Activities of the members of the species
<input type="radio"/>	<input type="radio"/>	Sleeping
<input type="radio"/>	<input type="radio"/>	Occupying the location multiple times
<input type="radio"/>	<input type="radio"/>	Establishing nests
<input type="radio"/>	<input type="radio"/>	Gathering together with members of their own species
<input type="radio"/>	<input type="radio"/>	Territorial competition with members of different species