Numerical Ability - Data Interpretation 3

25 Questions

Instructions: Answer as many questions as you can in 20 minutes. Circle the letter on the right which corresponds to the correct answer. You can use a calculator.

	Client - Maltman		Client - Healey	
Agent	Inbound	Outbound	Inbound	Outbound
Mandi	275	542	112	188
Kai	180	419	11	324
Spencer	201	205	56	521
Charlotte	45	368	78	98
Rose	166	532	21	243
	867	2066	278	1374

The table above shows the number of calls completed by call center agents in a month on behalf of two clients. Maltman are charged $1.20 per inbound call and $1.40 per outbound call. Healey are charged 20% more. Out bound calls take an average of 12 minutes. Inbound calls take an average of 8 minutes. Use this information to answer the following questions.

1)   Approximately how much will client Maltman be billed for the month?

A	B	C	D	E
$3,948	$3,946	$3,932	$3,892	$3,776

A B C D E

2)   Approximately how much will client Healey be billed for the month?

A	B	C	D	E
$2,798	$2,700	$2,698	$2,708	$2,308

A B C D E

3)   Approximately how many hours did Charlotte spend on the phone during the month?

A	B	C	D	E
77	87	84	80	103

A B C D E

4)   What percentage of the Maltman bill is due to inbound calls?

A	B	C	D	E
26%	28%	29%	27%	24%

A B C D E

5)   What is the approximate ratio of inbound calls taken by Kai to calls taken by Mandi?

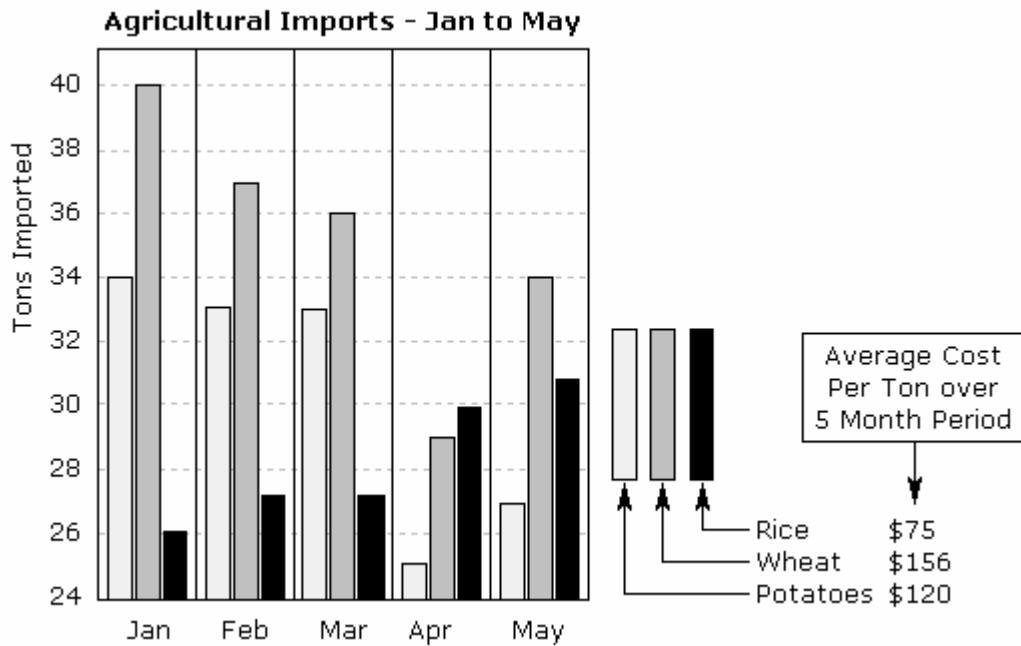| A	B	C	D	E
1:3	2:3	3:2	1:2	2:1

A B C D E

6)   Approximately what fraction of the total time spent on the telephone by all of the agents was spent taking inbound calls for client Maltman?

A	B	C	D	E
$\frac{1}{16}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{5}$	$\frac{1}{20}$

A B C D E

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Agricultural Imports - Jan to May

The table above shows agricultural imports for the island of South Cerney for a period of five months. Use this information to answer the following questions.

7)   How many tons of rice were imported over the 5 month period?

A	B	C	D	E
144	141	138	139	137

A B C D E

8)   What was the total value of wheat imports, in dollars, over the 5 month period?

A	B	C	D	E
27,456	27,742	27,656	26,446	26,446

A B C D E

9)   What was the average tonnage of rice imported per month over the whole period?

A	B	C	D	E
27.4	22.9	24.4	28.2	30.2

A B C D E

10)   What was the average value of potatoes imported per month over the whole period?

A	B	C	D	E
$3,448	$3,648	$3,728	$3,348	$3,655

A B C D E

11)   Approximately what fraction of the total tonnage of imports is rice?

A	B	C	D	E
$\frac{1}{5}$	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{2}{5}$	$\frac{3}{10}$

A B C D E

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Additional to Specification

	Price	Margin
Air Conditioning	$375	40%
Cruise Control	$220	40%
Body Kit	$350	30%
Alloy Wheels	$210	50%
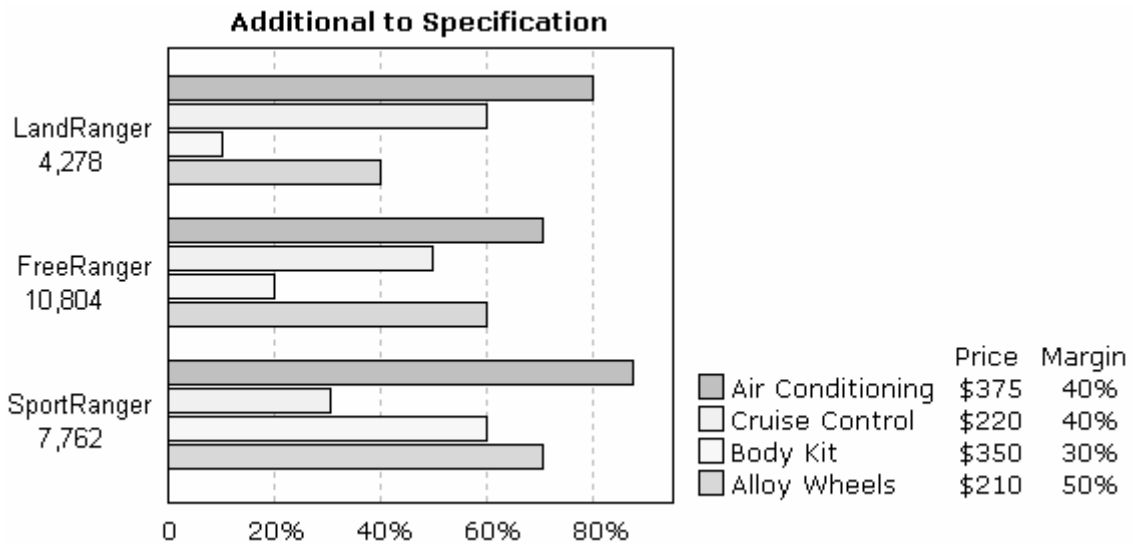
The table above shows the total sales figures for three models of SUV. It also shows the percentage of customers who specified additional equipment when buying from the dealer network. Use this information to answer the following questions.

12) How many customers specified cruise control when ordering a FreeRanger?

A	B	C	D	E
5,320	2,566	4,861	2,861	5,402

A B C D E

13) How much total revenue, in millions of dollars, did Alloy Wheels generate for FreeRanger sales?

A	B	C	D	E
1.41	1.28	1.30	1.36	11.20

A B C D E

14) How much profit (margin), in millions of dollars, can be attributed to Body Kits fitted to the SportRanger?

A	B	C	D	E
0.49	1.48	4.80	0.36	0.21

A B C D E

15) How much profit (margin), in millions of dollars, can be attributed to Cruise Control fitted to the FreeRanger?

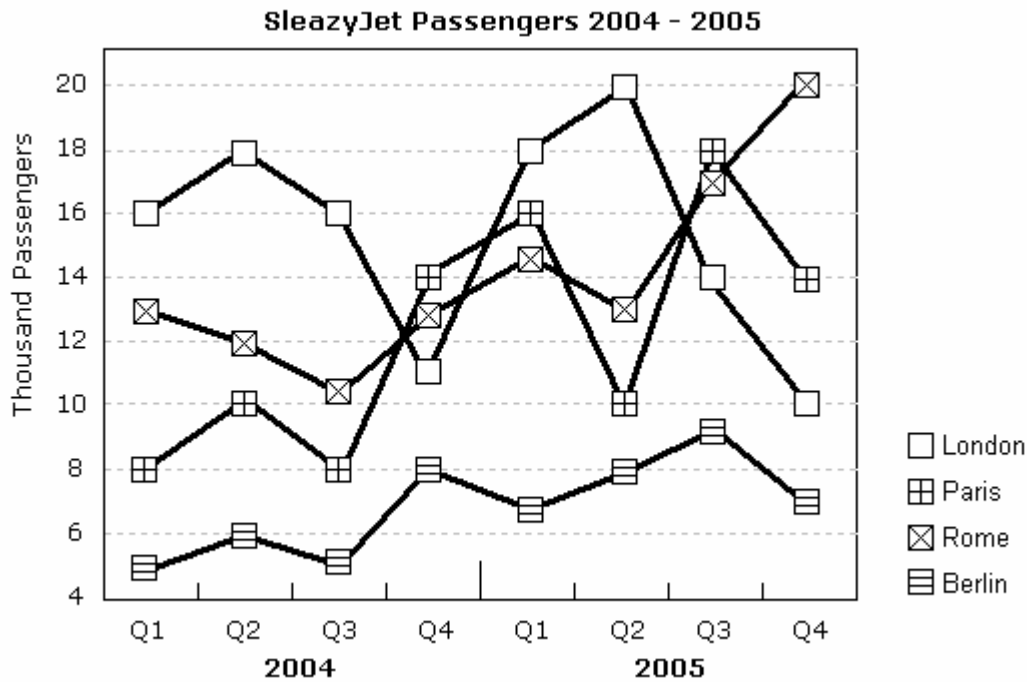| A	B	C	D	E
0.61	0.48	0.21	4.80	3.60

A B C D E

16) How much extra profit (in $000's) would be generated if dealers doubled the number of Body Kits fitted when they sold a FreeRanger?

A	B	C	D	E
22.6	45.3	11.3	12.3	4.5

A B C D E

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SleazyJet Passengers 2004 - 2005

The table above shows the numbers of passengers flying from New York to four European capital cities by low cost airline SleazyJet. These numbers have been rounded to the nearest thousand. Use this information to answer the following questions.

17) How many passengers travelled in Quarter 4 2004?

A	B	C	D	E
46,000	44,000	43,000	45,000	42,000

A B C D E

18) What was the ratio of passengers travelling to London and Paris in Q2 2004?

A	B	C	D	E
2.2:1	1.8:1	2:1	0.75:1	1:2

A B C D E

19) How many more passengers travelled to Rome in Q2 2005 than in the same quarter the previous year?

A	B	C	D	E
5,000	4,000	3,000	2,000	1,000

A B C D E

20) Approximately, what fraction of passengers who travelled in Q4 2005 flew to Berlin?

A	B	C	D	E
$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{7}$	$\frac{1}{5}$	$\frac{1}{15}$

A B C D E

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Spend by Client $

Clients	Marketing	Personnel
Aardvark Cellular	21,340	22,749
Blue Arrow	11,222	10,437
Cresent Moon	6,543	5503
L-Tech	980	782
Connect Seven	1,342	1143

Marketing Promotion for Aardvark Cellular Inc.

Misc. 10%
Brochures 22%
Adverts 20%
Gifts 6%
Website 6%
Flyers 14%
Telesales 22%

The table above shows the amount spent by Ace Marketing Consultancy to promote their clients. 'Marketing' spend does not include the time of any Ace employees, this is billed separately as 'Personnel'. Use this information to answer the following questions.

21) Approximately how much was spent by on brochures for Aardvark Cellular?

A	B	C	D	E
$4,994	$4,774	$4,632	$4,694	$4,624

A B C D E

22) If Ace charges their clients cost price plus 20%, how much will they bill Aardvark Cellular for their website?

A	B	C	D	E
$1,536	$1,174	$1,744	$1,280	$1,474

A B C D E

23) If flyers for Aardvark Cellular cost $150 per thousand. Approximately, how many thousand have been produced?

A	B	C	D	E
23	20	17	14	18

A B C D E

24) Approximately what percentage of Ace Marketing's total business is for Aardvark Cellular?

A	B	C	D	E
49%	57%	50%	54%	56%

A B C D E

25) Approximately what percentage of Ace Marketing's total business is accounted for by their three smallest clients?

A	B	C	D	E
18%	17%	20%	16%	22%

A B C D E

End of Numerical Ability - Data Interpretation Test 3

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Answers

1)	**C**	11)	**E**	21)	**D**
2)	**D**	12)	**E**	22)	**A**
3)	**E**	13)	**D**	23)	**B**
4)	**A**	14)	**A**	24)	**D**
5)	**D**	15)	**B**	25)	**C**
6)	**D**	16)	**A**		
7)	**B**	17)	**A**		
8)	**A**	18)	**B**		
9)	**D**	19)	**E**		
10)	**B**	20)	**C**		