

Numerical Reasoning

Test 14



Questions Booklet

Instructions

This practice test contains **30 questions**, and you will have **30 minutes** to answer them.

Each question will have four possible answers, one of which is correct.

Calculators are permitted for this test. It's recommended to have some rough paper for your calculations. You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.

Try to find a time and place where you will not be interrupted during the test. When you are ready, turn to the next page and begin.

Hotel	Comfort	Location	Service	Cleanliness	Price per Night
The Marmot	3	3	8	3	£117.00
Duchess and Rye	8	7	3	5	£86.00
El Pacifico	5	1	9	3	£64.00
Highway Inn	4	1	6	6	£116.00
Lanebrooke Spa	8	9	8	9	£97.00

Ratings Key:

Extremely Low	Very Low	Low	Below Average	Medium	Above Average	High	Very High	Extremely High
1	2	3	4	5	6	7	8	9

Q1 You want to stay at the hotel with the second highest number of ratings larger than "Above Average". Which hotel should you stay at?

- (A) The Marmot
- (B) Duchess and Rye
- (C) El Pacifico
- (D) Highway Inn
- (E) Lanebrooke Spa
- (F) None of the above

Hotel	Comfort	Location	Service	Cleanliness	Price per Night
The Marmot	3	3	8	3	£117.00
Duchess and Rye	8	7	3	5	£86.00
El Pacifico	5	1	9	3	£64.00
Highway Inn	4	1	6	6	£116.00
Lanebrooke Spa	8	6	8	9	£97.00

Ratings Key:

Extremely Low	Very Low	Low	Below Average	Medium	Above Average	High	Very High	Extremely High
1	2	3	4	5	6	7	8	9

Q2 You first select the hotels with no ratings at "Very Low" or lower. You then select the hotels with "Comfort" ratings higher than their "Location" ratings. Of the remaining hotels, you select the cheapest. Which hotel do you select?

- (A) The Marmot
- (B) Duchess and Rye
- (C) El Pacifico
- (D) Highway Inn
- (E) Lanebrooke Spa
- (F) None of the above

Hotel	Comfort	Location	Service	Cleanliness	Price per Night
The Marmot	3	3	8	3	£117.00
Duchess and Rye	5	7	3	5	£86.00
El Pacifico	5	1	9	3	£64.00
Highway Inn	4	1	6	6	£116.00
Lanebrooke Spa	8	9	8	9	£97.00

Ratings Key:

Extremely Low	Very Low	Low	Below Average	Medium	Above Average	High	Very High	Extremely High
1	2	3	4	5	6	7	8	9

Q3 Hotel Luxor (not shown) has a "Location" to "Comfort" ratings ratio of 2:3. Which hotels have a lower "Location" to "Comfort" ratio than Hotel Luxor?

- (A) The Marmot and Duchess and Rye
- (B) El Pacifico and Highway Inn
- (C) Lanebrooke Spa and The Marmot
- (D) El Pacifico and Lanebrooke Spa
- (E) Duchess and Rye and Lanebrooke Spa
- (F) None of the above

Hotel	Comfort	Location	Service	Cleanliness	Price per Night
The Marmot	3	3	8	3	£117.00
Duchess and Rye	8	7	3	5	£86.00
El Pacifico	5	8	9	3	£64.00
Highway Inn	4	1	6	6	£116.00
Lanebrooke Spa	8	9	8	9	£97.00

Ratings Key:

Extremely Low	Very Low	Low	Below Average	Medium	Above Average	High	Very High	Extremely High
1	2	3	4	5	6	7	8	9

Q4 Of the hotels with a "Location" rating at or above "High" you select the two hotels with the lowest "Price per Night". Of those two hotels, you select the hotel with the highest rating for "Comfort". Which hotel do you select?

- (A) The Marmot
- (B) Duchess and Rye
- (C) El Pacifico
- (D) Highway Inn
- (E) Lanebrooke Spa
- (F) None of the above

Hotel	Comfort	Location	Service	Cleanliness	Price per Night
The Marmot	3	3	8	3	£117.00
Duchess and Rye	8	7	3	5	£86.00
El Pacifico	5	1	9	3	£64.00
Highway Inn	4	1	6	6	£116.00
Lanebrooke Spa	8	9	8	9	£97.00

Ratings Key:

Extremely Low	Very Low	Low	Below Average	Medium	Above Average	High	Very High	Extremely High
1	2	3	4	5	6	7	8	9

Q5 Imagine that the most expensive hotel per night has a "Price" rating of "Extremely High", the least expensive hotel has a "Price" rating of "Extremely Low" and every other hotel has a "Price" rating of "Medium". With this in mind, which hotel has the highest overall rating across all 5 features?

- (A) The Marmot
- (B) Duchess and Rye
- (C) El Pacifico
- (D) Highway Inn
- (E) Lanebrooke Spa
- (F) None of the above

Hotel	Comfort	Location	Service	Cleanliness	Price per Night
The Marmot	3	3	8	3	£117.00
Duchess and Rye	8	7	3	5	£86.00
El Pacifico	5	1	9	3	£64.00
Highway Inn	4	1	6	6	£116.00
Lanebrooke Spa	8	9	8	9	£97.00

Ratings Key:

Extremely Low	Very Low	Low	Below Average	Medium	Above Average	High	Very High	Extremely High
1	2	3	4	5	6	7	8	9

Q6 You want to stay at the hotel with the highest possible combined score on "Comfort" and "Service" while not paying more than £500 for five nights. Which hotel do you choose?

- (A) The Marmot
- (B) Duchess and Rye
- (C) El Pacifico
- (D) Highway Inn
- (E) Lanebrooke Spa
- (F) None of the above

Hotel	Comfort	Location	Service	Cleanliness	Price per Night
The Marmot	3	3	8	3	£117.00
Duchess and Rye	8	7	3	5	£86.00
El Pacifico	5	1	9	3	£64.00
Highway Inn	4	1	6	6	£116.00
Lanebrooke Spa	8	9	8	9	£97.00

Ratings Key:

Extremely Low	Very Low	Low	Below Average	Medium	Above Average	High	Very High	Extremely High
1	2	3	4	5	6	7	8	9

Q7 You do not want to stay at a hotel with a "Cleanliness" rating below "Medium", a "Location" rating lower than its "Comfort" rating, or a "Price per Night" above £150. Which hotel could you stay in?

- (A) The Marmot
- (B) Duchess and Rye
- (C) El Pacifico
- (D) Highway Inn
- (E) Lanebrooke Spa
- (F) None of the above

Hotel	Comfort	Location	Service	Cleanliness	Price per Night
The Marmot	3	3	8	3	£117.00
Duchess and Rye	8	7	3	5	£186.00
El Pacifico	5	1	9	3	£164.00
Highway Inn	4	1	6	6	£116.00
Lanebrooke Spa	8	9	8	9	£97.00

Ratings Key:

Extremely Low	Very Low	Low	Below Average	Medium	Above Average	High	Very High	Extremely High
1	2	3	4	5	6	7	8	9

Q8 You choose to stay at hotels with an average rating of "High" or greater across all features, or a "Price per Night" of £100 or lower, or a "Service" rating at extremely high. If you stay 1 night at each applicable Hotel, how much would you spend?

- (A) £261.00
- (B) £270.00
- (C) £279.00
- (D) £288.00
- (E) £297.00
- (F) None of the above

Hotel	Comfort	Location	Service	Cleanliness	Price per Night
The Marmot	7	3	7	7	£127.00
Duchess and Rye	1	5	9	3	£128.00
El Pacifico	7	3	9	9	£69.00
Highway Inn	6	4	9	6	£89.00
Lanebrooke Spa	8	4	4	1	£130.00

Ratings Key:

Extremely Low	Very Low	Low	Below Average	Medium	Above Average	High	Very High	Extremely High
1	2	3	4	5	6	7	8	9

Q9 You consider "Comfort" to be 75% more important than "Service", and "Service" to be twice as important as "Cleanliness". You consider "Location" to be irrelevant. With this in mind, which Hotel has the highest weight average rating across all relevant features?

- (A) The Marmot
- (B) Duchess and Rye
- (C) El Pacifico
- (D) Highway Inn
- (E) Lanebrooke Spa
- (F) None of the above

End of test