

## Game 27 – Refrigerators

An appliance company manufactures exactly seven types of refrigerator—K, L, M, Q, R, S and T. The refrigerators are each stored at exactly one of three company warehouses—X, Y and Z. The storage of the refrigerators is consistent with the following:

M is stored in a different warehouse than Q.

Y has at most two types of refrigerator in it.

R is stored in a different warehouse from K.

L is stored in the same warehouse as Q.

If K is stored in either X or Z, S is stored in the same warehouse as K.

1. Which one of the following CANNOT be true?

- A. M and R are stored in warehouse Z.
- B. K and L are stored in warehouse Y.
- C. K and T are stored in warehouse X.
- D. K and S are stored in warehouse Y.
- E. R and Q are stored in warehouse Z.

2. If there are no refrigerators stored in warehouse Z, which one of the following must be true?

- A. T is stored in warehouse Y.
- B. S is stored in warehouse X.
- C. R is stored in warehouse Y.
- D. Q is stored in warehouse Y.
- E. K is stored in warehouse X.

3. Each of the following could be true EXCEPT

- A. Three types of refrigerator are stored in warehouse X.
- B. Four types of refrigerator are stored in warehouse Z.
- C. M and K are stored in warehouse Y.
- D. M and L are stored in warehouse Z.
- E. S and Q are stored in warehouse X.

4. If S and M are the only refrigerators stored in one of the warehouses, which one of the following must be true?

- A. R is stored in warehouse Z.
- B. K is stored in warehouse Y.
- C. T is stored in warehouse Y.
- D. L is stored in warehouse Z.
- E. Q is stored in warehouse Z.

5. If K is stored in the same warehouse that Q is stored in, which one of the following is a complete and accurate list of the types of refrigerator, any one of which could be stored in the same warehouse as M?

- A. R
- B. T, S
- C. R, T
- D. T
- E. R, T, S

6. If R is stored in warehouse Y, which one of the following is a pair of refrigerators that CANNOT be stored in the same warehouse?

- A. L and T
- B. L and K
- C. Q and T
- D. S and T
- E. S and R

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1. B
2. B
3. D
4. A
5. C
6. E

This is a standard LSAT group game. On games like this, you need to get used to not being able to draw a diagram and merely having to deduce on the basis of what you can infer in each question.

On Question 1, L must be with Q, and there is not enough room in Y for three elements if L and Q are placed with each other. On Question 2, the two rules that state that both M and Q and R and K cannot be together means that among these two pairs, one of each must be stored in Y, the other in Z. Since there is not enough room left to put S in Y, we know S is stored in warehouse X.

Question 3 is based on the inference that M cannot be with Q but must be with L—therefore, L cannot be with M. On Question 4, you can deduce that K is in warehouse Y because if K were in X or Z, S would be as well.

On Question 5, S has to be in the same warehouse as K (since K is not in Y), and L has to be in the same warehouse as Q. Everything else is fair game. Remember to always try and see these limitations or lack thereof. On Question 6, if R is in warehouse Y, K is in X or Z—and thus S cannot be with R, since it must be with K under the last rule.