

Drill!

- You'll find these ten questions on your handout. You can also just copy from the screen. **Diagram each conditional and its contrapositive**
 - 1) If the cruise goes to Jamaica, then it won't go to Trinidad.
 - 2) If the interview is room #2, then it won't be in rooms #1 or #3.
 - 3) All of the students at this law school did well on the LSAT.
 - 4) None of my friends are here.
 - 5) I can't focus if you're going to play video games or watch a movie.
 - 6) All of your employees must wear goggles in order to follow procedure.
 - 7) Each of the students achieved a passing mark
 - 8) If you are a properly licensed JD and you practice law, you're a lawyer
 - 9) You'd be a fool not to take that deal!
 - 10) I can bake the cake only if I have eggs and butter

Drill Question Number 1

Seven dogs – S, T, U, W, X, Y, Z – will be adopted by two different owners, R and Q. Each dog will be adopted by one of the two owners, and no dog will be adopted by both. The following conditions apply:

If S is adopted by R, then T is adopted by R.

U and W cannot be adopted by the same owner.

If X is adopted by Q, then T is adopted by Q.

Drill Question Number 2

A law firm is interviewing seven candidates – F, G, H, I, J, L, and M – to fill three positions at the firm. The following conditions apply:

If F is not hired, then J and L are hired.

If H is hired, then F is hired.

M and L must both be hired, or neither is.

Drill Question Number 3

Eight books – one each on agriculture, business, culture, dendrology, economics, fine art, geology, and humanism – will be sorted onto three different shelves. The following conditions apply:

At least two books and no more than three books are on each shelf.

The books on fine art and culture must be on the same shelf

If the book on agriculture and dendrology are not together, then the books on economics and business are.

Drill Question Number 4

Six mountaineers – M, N, O, P, Q, and R – will form teams of two to scale three peaks – A, B, and C. The following conditions apply:

R cannot climb Peak C

O and R cannot climb the same mountain together

If O climbs B, then P climbs C.

If N climbs A, then so does Q.