

Problem-Solving Strategy:

Make an Organized List

Problem Jan’s favorite video game in his collection is *Fast Track*. To play it, he must choose a car, a truck, or a motorcycle to drive. He also has to pick the color for the vehicle—red, blue, green, or black. How many different combinations can Jan choose?



1. What will be combined in each choice?



2. If you start with a car, how will you make your organized list?



3. How can you check that you did not miss or repeat any combinations in your list?

4. How many different combinations can Jan choose? _____



5. Why is car → truck NOT a possible combination?
