4 SQUARE

IN THE

AIR

**TO MAKE THIS ACTIVITY SET AT HOME, YOU WILL NEED THE FOLLOWING PARTS:**

9 – 7-FOOT-LONG PVC LEGS (can cut to 6/8 ft. lengths as well)

12 – 5-FOOT-LONG PVC SIDES

4 – 3 WAY PVC FITTINGS

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1 – 5 WAY PVC FITTING (will need to order on online in most cases)

9 – rubber end caps (like those used on walking canes) for end caps of openings of the legs, creating better stability – reduced sliding on floors

\*\* How to assemble the game, parts needed, and size of PVC to use\*\*

 Purchase (15) 10 ft. WHITE PVC pipes at any local hardware store and then using a PVC pipe cutter, miter saw, or hack saw to cut the PVC to the correct length. I buy the 10-ft. piece so I can get 2 - 5 ft. long pieces from 1 pipe for the sides. Some hardware stores do sell pre-cut 5ft. PVC pieces. When cutting the support legs, you will have 3 feet of PVC pipe left over (if cutting 7 ft. long pieces) to use for other projects (shuttle run blocks, ladder golf).

For the fittings, you can find them in any hardware store. **The 5-way** **fitting is hard to locate in stores.** I needed to purchase mine online (I used Amazon). They usually sell these in packs of either 8 or 10 between $17.00 - $27.00 dollars but, I have seen them being sold online as a single unit for $10.00 or more. I recommend purchasing the pack and make several sets for your class or to be used for activity breaks outside or as a lunch room space activity when you have lost your gym space due to other school functions. **NOTE:** I used ¾ inch PVC pipe for this presentation. You can use this size or go one size larger using 1 inch PVC pipe. **If you do change the size, make sure your fittings also match the pipe size you are using!**

**To put together**: Use a rubber mallet to gently tap the fittings onto the PVC pipe and put the sides together first. Step One Layout the sides with the correct fittings for each corner and intersections on the floor to insure the proper form, then attach fittings to pipe by hand first then tapping gently on the fittings with the mallet to secure. Step Two: Then with the help of a friend, or by yourself, attach the legs to the sides, after attaching the rubber end caps on each leg, starting with the outer corner edges and center leg. Step Three: Attach the remaining inside legs by lifting the sides up. If you try to attach the legs with the sides laying on the ground, the legs can fall off or you may have difficulty turning the assembled unit over when trying to stand it up into proper playing position. Step Four: Now you are ready to play!

**Diagram of assembly:** The drawing below shows which fitting goes to which corner and where the 5-way goes for each set.