

Procedure #1 – Individual Assembly of Kits

For the kit to be complete all of the following must be sealed inside a baggie:

- a. Two bolts with nuts turned to halfway up the bolt, sealed together inside a small snack bag.
- b. Four plastic anchors sealed in a small snack bag.
- c. Four picture hooks sealed in a small snack bag.
- d. A *Just Like Home* logo

Follow these steps in the order given:

1. Empty the container of items into the shared workspace.
2. When your teacher says “go” you will have 90 seconds to assemble as many complete bags as you can on your own.
3. When your teacher says “stop,” put everything down even if you are not finished.
4. Put aside all partial kits.
5. Verify that all completed kits meet the standards. If there is a Quality Control Officer on the team, that person should check all completed kits.
6. Count the number of complete kits, and record the number on **Investigation Sheet #1**.
7. Remove all items from the bags, separate the bolts and nuts, and return the items to the workspace. Repeat the procedure three (3) more times and record your results.
8. After completing all trials return the items to the plastic container.

Procedure #2— Kit Assembly Line

For the kit to be complete all of the following must be sealed inside a baggie:

- a. Two bolts with nuts turned to halfway up the bolt, sealed together inside a small snack bag.
- b. Four plastic anchors sealed in a small snack bag.
- c. Four picture hooks sealed in a small snack bag.
- d. A *Just Like Home* logo

Follow these steps in the order given:

1. Assign each team member one of the following roles and give them the card for their job and required materials:
 - a. Nut and Bolt Bag Assembler
 - b. Hook and Anchor Bag Assembler
 - c. Complete Kit Bagger
 - d. Quality Control Officer (if needed)
2. When your teacher says “go” your team will have 90 seconds to assemble as many complete bags as you can.
3. When your teacher says “stop,” put everything down even if you are not finished.
4. Put aside all partial kits.
5. Verify that all completed kits meet the standards. If there is a Quality Control Officer on the team, that person should check all completed kits.
6. Count the number of complete kits, and record the number on **Investigation Sheet #2**.
7. Remove all items from the bags, separate the bolts and nuts, and return the items to their original bags. Repeat the procedure three (3) times and record your results.

Roles and Responsibilities

<p>Nut and Bolt Bag Assembler</p> <p>Receives: Bags of nuts and bolts and 16 small snack bags.</p> <p>Job Description: Turns nut half-way up the bolt and seals two bolt and nut sets inside a small snack bag.</p>	<p>Hook and Anchor Bag Assembler</p> <p>Receives: Bags of picture hooks, wall anchors and 32 small snack bags</p> <p>Job Description: Seals four picture hooks inside a small snack bag. Seals four plastic wall anchors inside a small snack bag.</p>
<p>Complete Kit Bagger</p> <p>Receives: 16 paper Logos and 16 larger sandwich bags</p> <p>Job Description: Seals the following items inside a large sandwich bag, making sure that the zip-lock is completely sealed.</p> <ul style="list-style-type: none"> ❖ One bolt and nut bag ❖ One picture hook bag ❖ One wall anchor bag ❖ One paper Logo. 	<p>Quality Control Officer</p> <p>Job Description: Verifies that the kits are complete. Reports the total number of complete bags to the team.</p> <p>To be complete, each sealed sandwich bag must include:</p> <ul style="list-style-type: none"> ❖ One bolt and nut bag ❖ One picture hook bag ❖ One wall anchor bag ❖ One paper Logo.